

Set	Items	Description
S1	762123	TOOL? ? OR POWERTOOL? OR SAW? ? OR CHAINSAW? OR BACKSAW? OR BANDSAW? OR DRILL? ? OR SANDER? ? OR HACKSAW? OR JIGSAW? OR - POWERDRILL? OR ROUTER? OR SHAPER? OR LATHE OR LATHES OR POWER- ( ) PLANE? ? OR PLANER? OR JOINTER? OR MITERSAW? OR MITRESAW?
S2	907838	GUIDE? OR GUIDING
S3	3362842	PIVOT? OR ROTAT? OR TURN? OR AXIS OR REVOLV? OR REVOLUTION? OR SWIVEL? OR SPIN OR SPINS OR SPINN???
S4	462138	FENCE? OR TRACK? OR JIG OR JIGS OR TEMPLATE? OR GAUGE OR G-AUGING
S5	1577010	PROTRACTOR? OR ANGLE? ? OR DEGREE? ? OR SLANT??? OR MITER? OR MITRE?
S6	1829119	PARALLEL? OR OPPOSIT? OR ALIGN?
S7	22671	IC=(B27C? OR B27B?)
S8	2410997	PY=2004:2005
S9	17554	S1(5N)S2
S10	38577	S3(10N)S4
S11	232	S9 AND S10
S12	134	S9 (S) S10
S13	128	S12 NOT S8
S14	31	S13 AND S7
S15	777	S2 AND S10 AND S1
S16	337	S2 (S) S10 (S) S1
S17	288	S16 NOT (S8 OR S14)
S18	30	S17 AND S7
S19	24	(S14 OR S18) AND S6
S20	2630	S10 (10N) S5
S21	27	S9 AND S20
S22	22	S21 NOT (S8 OR S14 OR S18)
S23	1327791	FRAME? ? OR SQUARE? OR RECTANG?
S24	39	S9 AND S23 AND S10
S25	22	S24 NOT (S8 OR S14 OR S18 OR S22)
S26	94	S11 AND S6
S27	58	S26 NOT (S8 OR S14 OR S18 OR S22 OR S25)
S28	6	S27 AND S7
S29	901041	RAIL? ? OR BEAM? ? OR BEARER?
S30	2200	S10 (10N) S29
S31	500	S30 AND S2
S32	391	S30 (S) S2
S33	50091	S6(5N)S29
S34	565	S10 AND S33
S35	5	S34 AND S9
S36	1	S35 NOT (S8 OR S14 OR S18 OR S22 OR S25 OR S28)
S37	173	S34 AND S2
S38	160	S37 NOT (S8 OR S14 OR S18 OR S22 OR S25 OR S28)
S39	1	S38 AND S7
S40	78	S11 AND S5
S41	22	S40 NOT (S8 OR S14 OR S18 OR S22 OR S25 OR S28)

? show files

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200555

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14/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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015784606 \*\*Image available\*\*

WPI Acc No: 2003-846809/200379

XRPX Acc No: N03-676828

Machine such as a lower vertical router for working wooden panels, e.g.  
for forming door or window frames has section of work table having first  
plate with shaped edge forming V converging on inside of plate

Patent Assignee: SCM GROUP SPA (SCMS-N)

Inventor: PUCCI A

Number of Countries: 031 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1362678	A2	20031119	EP 2003425267	A	20030430	200379 B

Priority Applications (No Type Date): IT 2002BO291 A 20020514

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1362678	A2	E	7	B27C-005/02	

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB  
GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Abstract (Basic): EP 1362678 A2

NOVELTY - The machine (2) includes a horizontal work table (3) on which the wooden panel (1) rests, and a vertical machining axis (4), at the side of the work table, presenting at least one tool (5) for working on the panel. At least one fence (6) at the side of the machining axis, is adjustably mounted relative to the cutting tool, perpendicular to the work table to define the position at which the panel stops relative to the tool and to guide the panel towards the tool in a feed direction (A). A section (7) of the work table close to the machining axis is equipped with a first plate (8), lying in the same plane as the work table and shaped to match at least the front circular area of the machining axis. The shaped edge of the first plate extends at an angle to form a 'V' converging on the inside of the first plate.

DETAILED DESCRIPTION - The section (7) of the work table can be moved towards and away from the machining axis in a direction perpendicular to the direction of feed (A). The V-shaped profile of the first plate defines an end extension of the section (7) creating two converging escape lines when the section (7) and the pair of fences (6) are moved relative to each other.

USE - Lower vertical router or 'spindle molder' for working wooden panels or similar workpieces, e.g. molding or cutting tenons on cross pieces or uprights used to make door or window frames.

ADVANTAGE - Improves design of area close to cutting tool to make it safer without significantly altering the machine's general structure.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic view of the wooden panel working machine.

wooden panel (1)

machine (2)

work table (3)

vertical machining axis (4)

tool (5)

fences (6)

first plate (8)

pp; 7 DwgNo 1/6

Title Terms: MACHINE; LOWER; VERTICAL; ROUTER; WORK; WOOD; PANEL; FORMING;

DOOR; WINDOW; FRAME; SECTION; WORK; TABLE; FIRST; PLATE; SHAPE; EDGE;  
FORMING; CONVERGE; PLATE  
Derwent Class: P63  
International Patent Class (Main): B27C-005/02  
International Patent Class (Additional): B27G-021/00  
File Segment: EngPI

14/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014204714 \*\*Image available\*\*  
WPI Acc No: 2002-025411/200203  
XRPX Acc No: N02-019679

Arch cutting jig for hand-held saw, has fastener that rigidly connects  
pivot member to trammel arm pivotally connected to clamp assembly on  
pivot axis to guide saw along arc  
Patent Assignee: KORDYAK M W (KORD-I)  
Inventor: KORDYAK M W

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010039737	A1	20011115	US 94342244	A	19941118	200203 B
US 6574873	B2	20030610	US 94342244	A	19941118	200340

Priority Applications (No Type Date): US 94342244 A 19941118

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010039737	A1		5	B27B-011/06	
US 6574873	B2			B27B-011/04	

Abstract (Basic): US 20010039737 A1

NOVELTY - A fastener rigidly connects a pivot member to a trammel  
arm (22) pivotally connected to a clamp assembly on a pivot axis to  
guide a saw along an arc concentric with the pivot axis at a  
predetermined distance from the edge of a workpiece (19).

USE - For hand-held saw used to cut plywood panel.

ADVANTAGE - Permits clockwise and counterclockwise cutting  
operation. Ensures accurate circular cutting of plywood panel.

DESCRIPTION OF DRAWING(S) - The figure shows the isometric view of  
an arch cutting jig.

Workpiece (19)

Trammel arm (22)

pp; 5 DwgNo 1/3

Title Terms: ARCH; CUT; JIG; HAND; HELD; SAW; FASTEN; RIGID; CONNECT; PIVOT  
; MEMBER; TRAMMEL; ARM; PIVOT; CONNECT; CLAMP; ASSEMBLE; PIVOT; AXIS;  
GUIDE; SAW; ARC

Derwent Class: P63

International Patent Class (Main): B27B-011/04 ; B27B-011/06

File Segment: EngPI

14/5/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013881950 \*\*Image available\*\*  
WPI Acc No: 2001-366162/200138  
XRPX Acc No: N01-267059

Router template assembly for junction box, has template which is slidably

arranged along elongate support, and is attached to support at predetermined positions

Patent Assignee: PASS & SEYMOUR INC (PASS-N)

Inventor: COON R A; MARTIN M D; MOREL C S; CONN R A

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6220317	B1	20010424	US 99421743	A	19991020	200138 B
CA 2323858	A1	20010420	CA 2323858	A	20001020	200138
MX 2000010276	A1	20020401	MX 200010276	A	20001020	200363

Priority Applications (No Type Date): US 99421743 A 19991020

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6220317	B1		12	B27M-003/00	
CA 2323858	A1	E		B27C-005/10	
MX 2000010276	A1			B27M-003/00	

Abstract (Basic): US 6220317 B1

NOVELTY - A template is made of rigid material, and has an aperture for guiding a cutting tool. The template is removably attached to an elongated support at multiple positions, along longitudinal axis of the support. The template is slidably arranged on the support.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for aperture forming method in junction box.

USE - For junction box, electric power and communication devices used in commercial and domestic building environments.

ADVANTAGE - The template assembly not only assists in forming aperture in vertical wall, but also forms aperture in horizontally disposed wall boards.

DESCRIPTION OF DRAWING(S) - The figure shows the plan view of the template assembly.

pp; 12 DwgNo 1/18

Title Terms: ROUTER; TEMPLATE; ASSEMBLE; JUNCTION; BOX; TEMPLATE; SLIDE; ARRANGE; ELONGATE; SUPPORT; ATTACH; SUPPORT; PREDETERMINED; POSITION

Derwent Class: P63; W01; X12

International Patent Class (Main): B27C-005/10 ; B27M-003/00

International Patent Class (Additional): B28D-001/18

File Segment: EPI; EngPI

14/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012965716 \*\*Image available\*\*

WPI Acc No: 2000-137565/200013

XRPX Acc No: N00-102885

Multi-angle router fence for use on a router table, which has adjustable feed of work angles

Patent Assignee: GLADYSZ D (GLAD-I)

Inventor: GLADYSZ D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2228834	A1	19991016	CA 2228834	A	19980416	200013 B

Priority Applications (No Type Date): CA 2228834 A 19980416

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2228834	A1	E	12	B27C-005/10	

Abstract (Basic): CA 2228834 A1

NOVELTY - Fences and guides designed for routers and router tables only permit materials to be fed either at 0 or 90 degree angle to the longitudinal axis of the router bit. This invention permits adjustable angles of feed of the work piece and thereby permits the obtention of numerous angles of cuts and profiles from a single router bit. Furthermore, the guide can also be moved closer or further from the router bit, and thereby permits the obtention of a profiled cut at various distances from the edge of the work piece.

USE - A **pivoting guide fence** for use with a **router** mounted in a router table or permanently incorporated to a router table, which can be angularly adjusted for any angle from 0 to 90 degrees.

ADVANTAGE - Cheaper and less complex than previous routers. The guide **fence** is that is hinged or **pivoted**, so as to enable it to rotate about an axis perpendicular to the longitudinal axis of the router and be locked to obtain any feed angle of feed between 0 and 90 degrees.

DESCRIPTION OF DRAWING(S) - The figure shows a view of the mechanism

pp; 12 DwgNo 1/6

Title Terms: MULTI; ANGLE; ROUTER; FENCE; ROUTER; TABLE; ADJUST; FEED; WORK ; ANGLE

Derwent Class: P62; P63

International Patent Class (Main): **B27C-005/10**

International Patent Class (Additional): B25F-005/00

File Segment: EngPI

**14/5/5 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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012899998 \*\*Image available\*\*

WPI Acc No: 2000-071833/200006

Related WPI Acc No: 2001-243756

XRPX Acc No: N00-056202

**Router guide for use in forming flower like rosette patterns on workpiece made of e.g. wood, particle board, filter board, plastic, synthetic material**

Patent Assignee: BROUSSARD D J (BROU-I)

Inventor: BROUSSARD D J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6003571	A	19991221	US 98163989	A	19980930	200006 B

Priority Applications (No Type Date): US 98163989 A 19980930

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6003571	A		13	B27C-005/00	

Abstract (Basic): US 6003571 A

NOVELTY - A turntable (15) on the work surface (12) of a frame (11) has clamps (30-33) for securing a workpiece (40). A detent lock mechanism (41) with a lock pin engages any of the grooves at the turntable periphery to stop the **turntable** at arbitrary position. A **router** assisted by a **guide fence** (21) on the frame cuts two petals on the workpiece surface when the turntable is locked from turning.

DETAILED DESCRIPTION - Two router stops (43,44) at short sides of

the frame flank the turntable and limit excessive sideways movement of the router. The router can form petals at different angles of the workpiece top surface by rotating turntable to desired position.

USE - For use in forming flower like rosette patterns on workpiece made of e.g. wood, particle board, filter board, plastic, synthetic material.

ADVANTAGE - Simplifies guiding of router along workpiece surface, enabling router to be easily used and form arbitrary rosette pattern or design.

DESCRIPTION OF DRAWING(S) - The figure shows the isometric view of a router guide.

Frame (11)  
Work surface (12)  
Turntable (15)  
Guide fence (21)  
Clamps (30-33)  
Workpiece (40)  
Detent lock mechanism (41)  
Router stops (43,44)  
pp; 13 DwgNo 4/10

Title Terms: ROUTER; GUIDE; FORMING; FLOWER; ROSETTE; PATTERN; WORKPIECE; MADE; WOOD; PARTICLE; BOARD; FILTER; BOARD; PLASTIC; SYNTHETIC; MATERIAL  
Derwent Class: P56; P63  
International Patent Class (Main): B27C-005/00  
International Patent Class (Additional): B23Q-001/64  
File Segment: EngPI

14/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011743854 \*\*Image available\*\*

WPI Acc No: 1998-160764/199815

XRPX Acc No: N98-127850

**Copying arrangement for use in wood turning operations on lathe - comprises rocker provided with guide pin that moves over template, also providing for grooving operations**

Patent Assignee: THEMSFELDT H (THEM-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29717959	U1	19980115	DE 97U2017959	U	19971009	199815 B

Priority Applications (No TypeDate): DE 97U2017959 U 19971009

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 29717959	U1	11	B27C-007/00	

Abstract (Basic): DE 29717959 U

The arrangement comprises a tool (9) which is clamped in a rocker (5), for machining a wooden workpiece (1). The rocker is part of a copying and grooving unit of the lathe in which a guide pin (7) moves over a **template** (8). The chip thickness is obtained by **turning** a wing screw anticlockwise on a threaded rod, whereby two tensioned springs maintain the pin in contact with the template.

Side parts of the rocker support provide adequate stability. After the workpiece has been profiled, it may be grooved by a separate tool.

ADVANTAGE - Can be fitted to any lathe with minimum alterations.

Dwg.3/7

Title Terms: COPY; ARRANGE; WOOD; TURN; OPERATE; LATHE; COMPRISE; ROCKER;

GUIDE; PIN; MOVE; TEMPLATE; GROOVE; OPERATE  
Derwent Class: P63  
International Patent Class (Main): B27C-007/00  
International Patent Class (Additional): B27C-007/02  
File Segment: EngPI

14/5/7 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010542132 \*\*Image available\*\*  
WPI Acc No: 1996-039086/199604  
Related WPI Acc No: 1999-301644  
XRPX Acc No: N96-032970

**Portable tilting saw table - has elongated table and track pivotally mounted between having slide mounted on housing support on each end with sector member pivotally mounted**

Patent Assignee: TAPCO PRODUCTS CO (TAPC-N)  
Inventor: BREAK D G; CHUBB A B; CHUBB D J; SUYAK J R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5473968	A	19951212	US 93111830	A	19930825	199604 B

Priority Applications (No Type Date): US 93111830 A 19930825

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5473968	A	19	B27B-005/20	

Abstract (Basic): US 5473968 A

The table comprises an elongated saw table and a saw track pivotally mounted therebetween for a rotation about an axis substantially perpendicular to a longitudinal axis of the table base. A saw slide mounted on the saw track and supports a portable saw. A support at each end of the saw table allows the portable saw table to be tilted relative to the supports about a second axis parallel to the axis of the table.

A sector member is pivotally connected to the table base so that as the table base is tilted, the sector member is moved in a plane perpendicular to the axis of the saw table. The sector member provides stability and guides the table and saw track. Thus, the table base, saw track and sector member can be tilted relative to the supports while the saw track is allowed to pivot relative to the table base and the sector member. A locking device on the supports engages the sector member to lock the saw table in a tilted position. In another form, the portable saw table is mounted on supports and locked in selected adjusted positions.

ADVANTAGE - Saw track and saw slide are constructed to minimise lateral movement of saw slide.

Dwg.9/26

Title Terms: PORTABLE; TILT; SAW; TABLE; ELONGATE; TABLE; TRACK; PIVOT; MOUNT; SLIDE; MOUNT; HOUSING; SUPPORT; END; SECTOR; MEMBER; PIVOT; MOUNT  
Derwent Class: P63  
International Patent Class (Main): B27B-005/20  
File Segment: EngPI

14/5/8 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX

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010532450 \*\*Image available\*\*

WPI Acc No: 1996-029404/199603

XRPX Acc No: N96-024945

**Saw guide for power saw - has guide bar with straight outer edge for guiding peripheral guide surface of saw housing**

Patent Assignee: KETCH A D (KETC-I)

Inventor: KETCH A D

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5472029	A	19951205	US 94287644	A	19940809	199603 B
CA 2155467	A	19960210	CA 2155467	A	19950804	199622
CA 2155467	C	19990126	CA 2155467	A	19950804	199915

Priority Applications (No Type Date): US 94287644 A 19940809

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 5472029	A		7	B27M-001/00	
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CA 2155467	A			B27B-009/04	
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CA 2155467	C			B27B-009/04	
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Abstract (Basic): US 5472029 A

The guide comprises a guide bar having a straight outer edge configured for guiding a peripheral edge of the saw housing;

a gauge bar having a straight outer edge, which gauge bar is approximately as long as the guide bar. A hinge pivotally connects the gauge bar to the guide bar so that the respective straight edges are in parallel with each other. The gauge bar can be swung manually from a position in which the gauge bar and guide bar lie in parallel on top of a flat workpiece to a position where the hinge and gauge bar are clear of the straight outer edge of the **guide** bar so that the **saw** or router can move without obstruction along the straight outer edge of the guide bar.

It also has a member for adjusting the spacing between the guide bar and the gauge bar. The hinge assembly includes a base plate mounted on the guide bar, a pivot plate connected to the gauge bar, and a hinge connecting the pivot plate to the base plate.

USE - For a power saw or router of the type having a blade and a housing wider than the blade which directly overlies the blade during cutting.

Dwg.1/7

Title Terms: SAW; GUIDE; POWER; SAW; GUIDE; BAR; STRAIGHT; OUTER; EDGE; GUIDE; PERIPHERAL; GUIDE; SURFACE; SAW; HOUSING

Derwent Class: P63

International Patent Class (Main): **B27B-009/04** ; B27M-001/00

File Segment: EngPI

14/5/9 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010451830 \*\*Image available\*\*

WPI Acc No: 1995-353148/199546

XRPX Acc No: N95-263334

**Attachment fitted to head of cutting out tool for cutting out sheet metal - employs template to give precise cut to shape, and has two cheeks facing each other with orifice for introduction of tool, and guide faces which butt against edge of template**



Patent Assignee: SOC CONSTR AVIONS HUREL DUBOIS (CSAV-N); SOC CONSTR AVIONS  
HUREL-DUBOIS (CSAV-N)

Inventor: DESCLAUX P; MORICE A

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2718377	A1	19951013	FR 944002	A	19940406	199546 B
GB 2289014	A	19951108	GB 956899	A	19950404	199548
GB 2289014	B	19970924	GB 956899	A	19950404	199741

Priority Applications (No Type Date): FR 944002 A 19940406

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2718377	A1	15	B23D-079/04		
GB 2289014	A	14	B27C-005/10		
GB 2289014	B	1	B27C-005/10		

Abstract (Basic): FR 2718377 A

The unit to fit onto a cut out machine having a motor to drive a tool (3), the machine operating by support from a cutting out template (5) fixed onto the work piece (P) of which one end contains an extension (25) to be removed, The method of guidance during the removal of this extension. It is characterised in that it is made up of two cheeks (12,13) facing each other, rigidly joined and separated one from the other by a gap (15) provided with an access (16) arranged to allow the introduction of the extension (25) between the cheeks.

The cheeks (12,13) are traversed by an orifice (22) with an axis at right angles to the gap (15) for the introduction of the tool (3) and at the opening end (16), there are guide faces (20,21) which butt against the edge of the template (5) whilst the cutting out operation is being performed. One of the cheeks (12) is solidly fixed to the piece (10,11) joining it the tool.

USE/ADVANTAGE - As a guide unit associated with a hand held or fixed cutting out tool for sheet metal or composite sheet using a template. Allows the operation to be carried out by an unskilled operator with a high degree of accuracy and prevents any false cuts.

Dwg.2/7

Title Terms: ATTACH; FIT; HEAD; CUT; TOOL; CUT; SHEET; METAL; EMPLOY;  
TEMPLATE; PRECISION; CUT; SHAPE; TWO; CHEEK; FACE; ORIFICE; INTRODUCING;  
TOOL; GUIDE; FACE; BUTT; EDGE; TEMPLATE

Derwent Class: P54; P56; P61; P63

International Patent Class (Main): B23D-079/04; B27C-005/10

International Patent Class (Additional): B23Q-035/04; B24B-023/02

File Segment: EngPI

14/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010303697 \*\*Image available\*\*

WPI Acc No: 1995-204957/199527

XRPX Acc No: N95-160487

**Multibladed saw for longitudinal sawing of logs - has rail track, two  
Pi-shaped supports, and mechanisms for supporting and turning log**

Patent Assignee: KARLEBA B S (KARL-I)

Inventor: KARLEBA B S; ONISHCHENKO A M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RU 2023583	C1	19941130	SU 5000699	A	19910730	199527 B

Priority Applications (No Type Date): SU 5000699 A 19910730

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
RU 2023583 C1 R 9 B27B-007/00

Abstract (Basic): RU 2023583 C

The machine comprises sawing mechanism with set of saws mounted on a shaft, a feed mechanism in the form of a movable carriage with clamp and motor drive, mechanisms for turning and clamping logs, a set of rail tracks, and two Pi-shaped supports over the rail tracks. The logs are supported in chocks in the Pi-shaped frame and partially sawed.

**Guides** are introduced into the **saw** cuts and the log winched and reset in the Pi-shaped supports for the return sawing stroke.

Reduces costs by requiring less power.

Dwg.1/10

Title Terms: SAW; LONGITUDE; SAW; LOG; RAIL; TRACK; TWO; SUPPORT; MECHANISM  
; SUPPORT; TURN; LOG

Derwent Class: P63

International Patent Class (Main): B27B-007/00

International Patent Class (Additional): B27B-005/00

File Segment: EngPI

14/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010174934 \*\*Image available\*\*

WPI Acc No: 1995-076187/199511

XRPX Acc No: N95-060516

**Saw fence guide for combination mitre and bevel saw - has extendible and retractable guide that always lies and pivots in saw blade plane, being biased by spring and having leading edge to indicate width of blade cut**

Patent Assignee: BLACK & DECKER INC (BLDE )

Inventor: GARUGLIERI A

Number of Countries: 008 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 638399	A1	19950215	EP 94305873	A	19940808	199511 B
CA 2129885	A	19950213	CA 2129885	A	19940810	199520
EP 638399	B1	19970312	EP 94305873	A	19940808	199715
DE 69402008	E	19970417	DE 602008	A	19940808	199721
			EP 94305873	A	19940808	
ES 2099542	T3	19970516	EP 94305873	A	19940808	199727
US 5651297	A	19970729	US 94289730	A	19940812	199736
US 5737986	A	19980414	US 94289730	A	19940812	199822
			US 97831553	A	19970409	
US 6021700	A	20000208	US 94289730	A	19940812	200014
			US 97831553	A	19970409	
			US 985443	A	19980110	

Priority Applications (No Type Date): GB 9316728 A 19930812

Cited Patents: EP 91558; GB 2270032; US 4934233; US 5042542

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 638399 A1 E 10 B27B-027/10

Designated States (Regional): DE ES FR GB IT SE

US 6021700 A B27B-005/20 Cont of application US 94289730

Cont of application US 97831553

Cont of patent US 5651297

Cont of patent US 5737986

EP 638399 B1 E 11 B27B-027/10  
 Designated States (Regional): DE ES FR GB IT SE  
 DE 69402008 E B27B-027/10 Based on patent EP 638399  
 ES 2099542 T3 B27B-027/10 Based on patent EP 638399  
 US 5651297 A 10 B27B-005/20  
 US 5737986 A 10 B27B-005/20 Cont of application US 94289730  
 Cont of patent US 5651297

CA 2129885 A B27B-005/36

Abstract (Basic): EP 638399 A

A spring biases the fence guide (74) into its retracted position. The guide may be pulled down by the saw operator into its extended position so as to indicate the position at which the saw blade will impinge upon the workpiece. Two fence members (17a,17b) can be set accordingly.

The guide has a leading edge (78) which indicates the width of cut that the blade will make, and a wider portion (80) which trails the leading edge and indicates the optimum spacing of the two fence members. When the blade pivots about a bevel axis (92), the guide also pivots the same amount.

ADVANTAGE - Permits accurate estimation of cut which will be made. Provides for accurate positioning of fence members.

Dwg.5/5

Title Terms: SAW; FENCE; GUIDE; COMBINATION; MITRE; BEVEL; SAW; EXTEND; RETRACT; GUIDE; LIE; PIVOT; SAW; BLADE; PLANE; BIAS; SPRING; LEADING; EDGE; INDICATE; WIDTH; BLADE; CUT

Derwent Class: P54; P63

International Patent Class (Main): B27B-005/20 ; B27B-005/36 ; B27B-027/10

International Patent Class (Additional): B23D-059/00; B27B-005/29 ; B27B-027/00

File Segment: EngPI

14/5/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010166437 \*\*Image available\*\*

WPI Acc No: 1995-067689/199510

XRPX Acc No: N95-053730

**Saw table with compound movement of saw - has saw track pivotally supported on saw table for guiding slide plate on which portable power saw with rotary blade is mounted**

Patent Assignee: TAPCO PRODUCTS CO (TAPC-N)

Inventor: BREAK D G

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2124141	A	19941210	CA 2124141	A	19940524	199510 B
US 5404779	A	19950411	US 9373881	A	19930609	199520

Priority Applications (No Type Date): US 9373881 A 19930609

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

CA 2124141 A 23 B27B-005/20

US 5404779 A 10 B23D-045/02

Abstract (Basic): CA 2124141 A

A portable saw table for a portable saw comprising: a table base, a

saw track pivotally mounted on the table base for **guiding** a portable power **saw** having a saw blade with a cutting edge as the saw is moved along the saw track to cut a workpiece along a kerf line.

A pivot is located on the table base for pivotally supporting the saw track on the table base. A saw slide is used for slidably supporting the portable power saw on the saw track. A saw mounting unit is constructed and arranged for adjustably mounting the portable power saw on the saw slide for transverse angular movement of the saw track through a plurality of adjusted positions while maintaining the cutting edge of the saw blade in a kerf line in the workpiece at the same depth.

USE/ADVANTAGE - For use in building sites. Has low cost, allows saw to perform chopping motion, has wide range of angular positions.

Dwg.7/10

Title Terms: SAW; TABLE; COMPOUND; MOVEMENT; SAW; SAW; TRACK; PIVOT; SUPPORT; SAW; TABLE; GUIDE; SLIDE; PLATE; PORTABLE; POWER; SAW; ROTATING; BLADE; MOUNT

Derwent Class: P54; P63

International Patent Class (Main): B23D-045/02; **B27B-005/20**

International Patent Class (Additional): B23D-045/14; **B27B-009/02**

File Segment: EngPI

**14/5/13 (Item 13 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

010072414 **\*\*Image available\*\***

WPI Acc No: 1994-340127/199442

XRPX Acc No: N94-266784

**Calibration of inter-saw blade spacers in frame saws - has transporter with stops passing through slot in guide fence, and angled clamping rollers**

Patent Assignee: SOYUZNAUCHDREVPROM SCI PRODN ASSOC (SOYU-R)

Inventor: ERSHOV S V; PROKOFEV G F; STAKHNEV YU M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1821362	A1	19930615	SU 4937029	A	19910520	199442 B

Priority Applications (No Type Date): SU 4937029 A 19910520

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1821362	A1		2	B27B-003/00	

Abstract (Basic): SU 1821362 A

Machine comprises bed (1), electric motor (2) with cutting tool (3) mounted on its drive shaft, and guide fence (4) along which moves inter-saw spacer (7). The spacer (7) is moved by transporter (5) which has stops (6) on it.

The cutting unit is set to the thickness of the calibrating spacer by **turning** screw (9). The spacer is placed on the **guide fence**, and the inter- **saw** spacer (7) is fed by stop (6). Accurate setting is ensured by the action of angled spring rollers.

USE/ADVANTAGE - In the timber processing industry. Increases productivity and accuracy of setting. Bul.22/15.6.93

Dwg.1/2

Title Terms: CALIBRATE; INTER; SAW; BLADE; SPACE; FRAME; SAW; TRANSPORT; STOP; PASS; THROUGH; SLOT; GUIDE; FENCE; ANGLE; CLAMP; ROLL

Derwent Class: P63

International Patent Class (Main): B27B-003/00  
File Segment: EngPI

14/5/14 (Item 14 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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009822410 \*\*Image available\*\*  
WPI Acc No: 1994-102266/199413  
XRPX Acc No: N94-079801

Angularly adjustable guide fence for circular saw table - has rear  
clamping location guided in curved slot which causes longitudinal  
movement of fence on pivot pin by amount needed to keep end of stop  
on line parallel to saw blade

Patent Assignee: BOSCH GMBH ROBERT (BOSC )  
Inventor: WUENSCH S  
Number of Countries: 005 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4231110	A1	19940324	DE 4231110	A	19920917	199413 B
EP 589282	A1	19940330	EP 93114373	A	19930908	199413
EP 589282	B1	19960522	EP 93114373	A	19930908	199625
DE 59302672	G	19960627	DE 502672	A	19930908	199631
			EP 93114373	A	19930908	

Priority Applications (No Type Date): DE 4231110 A 19920917  
Cited Patents: DE 1628864; DE 3521729; DE 3921680; DE 9207811  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4231110	A1		6	B23D-047/04	
EP 589282	A1 G		8	B27B-027/08	
EP 589282	B1 G		9	B27B-027/08	

Designated States (Regional): CH DE GB IT LI  
DE 59302672 G B27B-027/08 Based on patent EP 589282

Abstract (Basic): DE 4231110 A

The stop (14) clamping location (17) nearest the saw blade is  
formed as a fixed pin (20) passing through a longitudinal slot (21) in  
the stop. The record clamping location (22) is formed as a pin which  
passes through a hole in the stop and is guided in a curved slot (23).

When the clamps are slackened the angularity of the stop can be  
varied. As the fence is rotated the curvature of the slot (23) causes  
it to slide longitudinally by exactly the amount required to keep the  
end nearest the saw blade on a line (25) parallel to the blade. After  
cutting of square, a workpiece to be mitred does not require to be  
repositioned along the fence.

ADVANTAGE - Saves time by removing need for additional measurement  
and marking off.

Dwg.1/3

Title Terms: ANGULAR; ADJUST; GUIDE; FENCE; CIRCULAR; SAW; TABLE; REAR;  
CLAMP; LOCATE; GUIDE; CURVE; SLOT; CAUSE; LONGITUDE; MOVEMENT; FENCE;  
PIVOT; PIN; AMOUNT; NEED; KEEP; END; STOP; LINE; PARALLEL; SAW; BLADE  
Derwent Class: P54; P56; P63

International Patent Class (Main): B23D-047/04; B27B-027/08  
International Patent Class (Additional): B23D-045/06; B23Q-003/00;  
B27B-005/22 ; B27G-005/02  
File Segment: EngPI

14/5/15 (Item 15 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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008510168 \*\*Image available\*\*

WPI Acc No: 1991-014252/199102

XRPX Acc No: N91-010935

**Cutting guide for portable router - has guide fence pivoting around base to engage workpiece**

Patent Assignee: GREESON E E (GREE-I)

Inventor: GREESON E E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4977938	A	19901218	US 89352406	A	19890516	199102 B

Priority Applications (No Type Date): US 89352406 A 19890516

Abstract (Basic): US 4977938 A

The router is essentially comprised of a router motor assembly and a router base is mounted upon the mounting plate of a cutting guide. The mounting plate is mounted on the top surface of the base. The mounting plate is held in position over the base by retaining tabs.

A thumb screw, the position adjusting screw, extends through the base tab and the mounting plate tab. Upon being turned, the position adjusting screw causes the mounting plate to translate across the base between the retaining tabs.

ADVANTAGE - Improved cutting precision. (13pp Dwg.No.1A/8)

Title Terms: CUT; GUIDE; PORTABLE; ROUTER; GUIDE; FENCE; PIVOT; BASE; ENGAGE; WORKPIECE

Derwent Class: P63

International Patent Class (Additional): B27C-005/10

File Segment: EngPI

14/5/16 (Item 16 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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008283910 \*\*Image available\*\*

WPI Acc No: 1990-170911/199022

XRPX Acc No: N90-132809

**Router guide attachment - has plate member with rotor blade opening and fence member pivotable attached**

Patent Assignee: PEMPEK G J (PEMP-I)

Inventor: PEMPEK G J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4921023	A	19900501	US 89431447	A	19891103	199022 B

Priority Applications (No Type Date): US 89431447 A 19891103

Abstract (Basic): US 4921023 A

An attachment mountable on the underside of a router by means of which slots or grooves may be accurately cut in a workpiece parallel to an edge of the piece. The attachment comprises a plate member pref. formed of transparent plastic sheet material. The plate member is sector-shaped and has an area several times greater than the area of the router underside.

A router blade opening is located in the plate member. A fence

member is pivotally attached adjacent one end to the plate member on the underside of the plate member adjacent its narrow end. The fence member has a straight edge which extends from the place of pivotal attachment to the arcuate edge of said plate member. The fence member has a cut-out in its straight edge of such size and location as to coincide with the router blade opening when the fence is aligned with the blade opening. The plate member has indicia adjacent its arcuate margin which indicate the perpendicular distance between the straight edge and the centre of the router opening. Clamp members secure the fence member in selected set positions with respect to the plate member.

Dwg.1/5

Title Terms: ROUTER; GUIDE; ATTACH; PLATE; MEMBER; ROTOR; BLADE; OPEN; FENCE; MEMBER; PIVOT; ATTACH

Derwent Class: P63

International Patent Class (Additional): B27C-005/00

File Segment: EngPI

14/5/17 (Item 17 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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007652904 \*\*Image available\*\*

WPI Acc No: 1988-286836/198841

Related WPI Acc No: 1988-251300

XRPX Acc No: N88-217666

**Circular saw for woodworking bench - is mounted on vice with slotted member attached, for guiding lower part of saw blade**

Patent Assignee: HITACHI KOKI HARAMA (HITA-N); HITACHI KOKI KK (HITO )

Inventor: SATO M; USHIWATA S

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3744716	A	19881006	DE 3744716	A	19871106	198841 B
DE 3744716	C	19901213				199050

Priority Applications (No Type Date): DE 3744716 A 19871106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3744716	A		22		

Abstract (Basic): DE 3744716 A

Mounted on a woodworking vice (3) which can also be rotated about a vertical axis, is a supporting structure for a circular saw (17) as in the main patent. Also mounted at one side of the vice is a protective member (37) in front of the holder (7) for the saw supports. This has a groove along it, which guides the bottom part of the blade, as a cut or groove is made.

On one side of the protective member is a sloping surface for guiding a workpiece. This member can be moved backwards or forwards relative to the work supporting surface of the vice.

ADVANTAGE - A clean cut is ensured.

Dwg.6/24

Title Terms: CIRCULAR; SAW; WOODWORK; BENCH; MOUNT; VICE; SLOT; MEMBER; ATTACH; GUIDE; LOWER; PART; SAW; BLADE

Derwent Class: P63

International Patent Class (Additional): B27B-005/16

File Segment: EngPI

14/5/18 (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007512927 \*\*Image available\*\*  
WPI Acc No: 1988-146860/198821  
XRPX Acc No: N88-112126

**Precision carpentry router guide - has pivoted frame members forming parallelogram with gauge to measure displacement**

Patent Assignee: DAVISON D M (DAVI-I)

Inventor: DAVISON D M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4742853	A	19880510	US 86885174	A	19860714	198821 B

Priority Applications (No Type Date): US 86885174 A 19860714

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4742853	A		7		

Abstract (Basic): US 4742853 A

The router guide includes frame members pivotally joined together near their respective extremities to form a parallelogram. Two of the frame members are longer in length than the other pair of oppositely disposed frame members and have straight edges and are disposed in edge-to-edge facing parallel relationship. A gauge sets a specific reference displacement between the longer of the frame members.

The distance between the respective gauges establishes the precise width of the routers cutting swath on the workpiece. Locks lock at least one of the pivoting joints of the parallelogram following the use of the gauges. The distance between the two longer in length frame members remains fixed while the router's base plate is operably disposed in intimate guiding relationship between the pair of fixed frame members so that the router's cutter is precisely positioned to cut the slot desired in the workpiece.

ADVANTAGE - Improved cutting accuracy.

Title Terms: PRECISION; CARPENTER; ROUTER; GUIDE; PIVOT; FRAME; MEMBER; FORMING; PARALLELOGRAM; GAUGE; MEASURE; DISPLACEMENT

Derwent Class: P63

International Patent Class (Additional): B27C-005/00

File Segment: EngPI

14/5/19 (Item 19 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007043152  
WPI Acc No: 1987-043149/198706  
XRPX Acc No: N87-032920

**Portable miter saw unit - has mechanism interlocked with turntable for shutting saw blade clearance gap in guide fence**

Patent Assignee: MAKITA ELEC WORKS (MAKI-N)

Inventor: ABE H; FUSHIYA F; HAKAMATA N; INOUE N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4638700	A	19870127	US 86837820	A	19860310	198706 B

Priority Applications (No Type Date): JP 85127838 A 19850612



Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 4638700 A 7

Abstract (Basic): US 4638700 A

The saw comprises a supporting base and a horizontal turntable mounted for selective rotatable movement on the supporting base. A support arm has a lower end fixedly connected with one peripheral portion of the turntable and an upper end adapted to move along a vertical path relative to the turntable. A saw blade is rotatably carried on the upper end of the support arm above the turntable.

A guide fence is mounted on the base and includes a pair of work engaging surfaces longitudinally aligned across a blade clearance gap formed between them to provide passage of the saw blade. A shutter is operatively connected to the turntable for shutting the blade clearance gap, and is slidable on the guide fence upon rotation of the turntable to selectively change the cutting angle of the saw blade.

ADVANTAGE - The shutter may effectively shut passage of chips, and is simple in construction.

4/5

Title Terms: PORTABLE; MITRE; SAW; UNIT; MECHANISM; INTERLOCKING; TURNTABLE  
; SHUT; SAW; BLADE; CLEARANCE; GAP; GUIDE; FENCE

Derwent Class: P63

International Patent Class (Additional): B27B-005/24

File Segment: EngPI

14/5/20 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004653039

WPI Acc No: 1986-156381/198625

XRPX Acc No: N86-116281

**Saw appliance for fire wood - incorporates support table with guide track for displaceable pivoted saw**

Patent Assignee: GAIL J (GAIL-I)

Inventor: GAIL J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3438361	A	19860612	DE 3438361	A	19841019	198625 B

Priority Applications (No Type Date): DE 3438361 A 19841019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

DE 3438361 A 10

Abstract (Basic): DE 3438361 A

The saw has a frame, carrying a piece of timber, and a chain saw, which is fastened pivoted to the frame, to cut the section of the timber projecting over the frame. The support table (10) for the timber (19) has a longitudinal guide track (13) for a saw (23).

The saw blade (23a) is connected to the guide track via pivot points (20,22) and a rocket arm (21), so that it can be displaced longitudinally, and pivoted, for cutting.

ADVANTAGE - Timber to be cut does not need to be moved forward after each cut. (10pp Dwg.No.1/2)

Title Terms: SAW; APPLIANCE; FIRE; WOOD; INCORPORATE; SUPPORT; TABLE; GUIDE  
; TRACK; DISPLACE; PIVOT; SAW

Derwent Class: P63

International Patent Class (Additional): B27B-011/00 ; B27B-017/08  
File Segment: EngPI

14/5/21 (Item 21 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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004191823

WPI Acc No: 1985-018703/198504

XRPX Acc No: N85-013615

**Lathe copying template - has flat bed with head stock having rotatable shaft and tail stock with inner sleeve**

Patent Assignee: GEYER L J (GEYE-I); HORN R (HORN-I)

Inventor: HORN R

Number of Countries: 007 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 8428504	A	19841129	AU 8428504	A	19840522	198504 B
GB 2142569	A	19850123	GB 8413046	A	19840522	198504
DE 3419323	A	19850221	DE 3419323	A	19840524	198509
ZA 8403950	A	19841116				198514
US 4628975	A	19861216	US 84613504	A	19840523	198701
GB 2142569	B	19870423				198716
CA 1224350	A	19870721				198733
IT 1177319	B	19870826				199033 N
DE 3419323	C2	19940609	DE 3419323	A	19840524	199421

Priority Applications (No Type Date): AU 839509 A 19830524; AU 8428504 A 19840522

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 8428504	A		22		
DE 3419323	C2		6	B23B-003/28	

Abstract (Basic): AU 8428504 A

The copy lathe has a flat bed, with a head stock and a tail stock. A rotatable shaft lies within the head stock and a sleeve lies within the tail stock both with having a common turning axis. The template support projects from both stocks and its head stock and tail stock, having template support surfaces lie in a common plane above the bed. A clamp is co-operable with the support means to clamp the template. A tool holder has a vertically extending follower guide and a lock for locking a tool. The tool holder has a flat base the toe of which extends forwardly beyond the follower guide.

Thus a cut tool is locked in the tool holder and has its cutting point vertically above the follower and the reaction of downward pressure applied to the tool, when cutting a workpiece, is within the area of the base. The toe lies wholly below the common plane, so as to be positionable beneath the template when clamped to the support.

USE - Esp. wood turning although it can be used for other soft free machining levels.

0/7

Title Terms: LATHE; COPY; TEMPLATE; FLAT; BED; HEAD; STOCK; ROTATING; SHAFT ; TAIL; STOCK; INNER; SLEEVE

Derwent Class: P54; P56; P63

International Patent Class (Main): B23B-003/28

International Patent Class (Additional): B23B-021/00; B23B-027/00;

B23P-003/28; B23Q-035/04; B27C-007/06 ; B27C-027/00

File Segment: EngPI

14/5/22 (Item 22 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004113045

WPI Acc No: 1984-258586/198442

XRPX Acc No: N84-193255

**Table for portable saw - has two fences at right angles mounted on table,  
with saw guide running in arcuate track, comprising two angle sections**

Patent Assignee: SIMON R S (SIMO-I)

Inventor: BROOKS C E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2137929	A	19841017	GB 8310372	A	19830416	198442 B

Priority Applications (No Type Date): GB 8310372 A 19830416

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2137929	A	8		

Abstract (Basic): GB 2137929 A

The saw table for use with a portable power-driven circular saw comprises a work table (10) on which are mounted two fences (15,16) at right angles to each other. A saw guide extends over the table above the fences and is pivoted adjacent one end of the table, and the other end of the guide runs along an arcuate track (28).

The guide comprises two angle sections (26) spaced apart by cross members (25,27) whereby a portable circular saw may be slid along them, with the saw sole plate accurately located by the angle sections. The saw guide is adjustable to permit the accommodation of different designs of portable power-driven circular saws.

USE - Part. but not exclusively, for cutting lengths of timber accurately at a predetermined angle.

1/5

Title Terms: TABLE; PORTABLE; SAW; TWO; FENCE; RIGHT; ANGLE; MOUNT; TABLE;  
SAW; GUIDE; RUN; ARCUATE; TRACK; COMPRISE; TWO; ANGLE; SECTION

Derwent Class: P63

International Patent Class (Additional): B27B-009/04

File Segment: EngPI

14/5/23 (Item 23 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004062565

WPI Acc No: 1984-208106/198434

XRPX Acc No: N84-155591

**Hand drill with dowel hole positioning template - has connectors for side  
stop with adjustable stop tongue symmetrically arranged on template at  
either side of drilling axis**

Patent Assignee: HUBER G (HUBE-I)

Inventor: HUBER G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3305210	A	19840816	DE 3305210	A	19830216	198434 B

Priority Applications (No Type Date): DE 3305210 A 19830216

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3305210	A	13		

Abstract (Basic): DE 3305210 A

The hand drill unit slides on guide bolts (201) on the drilling template (2), normal to the drilled surface and parallel to the drilling axis. Connectors (204) are provided between the template and a side stop (22), which has an adjustable tongue.

The connectors are symmetrical to a plane of symmetry through the drilling axis, enabling the stop to be connected to the template on the left or right. With the tongue setting unchanged, the same lateral spacing is provided between the stop tongue and plane of symmetry.

USE - Corresp. dowel holes can be accurately positioned in two pieces of wood being joined together.

2/5

Title Terms: HAND; DRILL; DOWEL; HOLE; POSITION; TEMPLATE; CONNECT; SIDE; STOP; ADJUST; STOP; TONGUE; SYMMETRICAL; ARRANGE; TEMPLATE; SIDE; DRILL; AXIS

Derwent Class: P63

International Patent Class (Additional): B27C-003/08

File Segment: EngPI

14/5/24 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003637624

WPI Acc No: 1983-J5826K/198326

XRPX Acc No: N83-111320

**Kit converting band saw to jig saw - includes eccentric oscillating arm which is linked to blade holder**

Patent Assignee: BURGESS POWER TOOLS LTD (BURG-N)

Inventor: LAW B R; WYATT D

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2110985	A	19830629	GB 8222007	A	19820730	198326 B
GB 2110985	B	19850313				198511

Priority Applications (No Type Date): GB 8124242 A 19810807; GB 8222007 A 19820730

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2110985	A	6		

Abstract (Basic): GB 2110985 A

The kit comprises an eccentric connectable for rotation by a band saw motor and an arm pivotable w.r.t. a band saw frame and an arm pivotable w.r.t. a band saw frame and drivable by the eccentric in a reciprocatory motion about the pivot. A jig saw blade holder is connected to the arm through a link which absorbs the rotary component of the end of the arm.

The eccentric pref. comprises a wheel mountable on a stub axle projecting from the motor, pref. by a roll pin fitted through the axle and engaging in a radial slot inclined to the axis of the eccentric. A jig saw blade guide receives the free end of the blade and is fastened to one side of the saw table.

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Title Terms: KIT; CONVERT; BAND; SAW; JIG; SAW; ECCENTRIC; OSCILLATING; ARM  
; LINK; BLADE; HOLD  
Derwent Class: P63  
International Patent Class (Additional): B27B-013/00 ; B27B-019/00  
File Segment: EngPI

14/5/25 (Item 25 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003079266  
WPI Acc No: 1981-H9306D/198134  
**Cutting guide for router - has rotatable member with linear guide rail  
mounted on circular guide track with tool support plate cooperating  
with it**  
Patent Assignee: GORMAN T E (GORM-I)  
Inventor: GORMAN T E  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4281694	A	19810804				198134 B

Priority Applications (No Type Date): US 7991151 A 19791105  
Patent Details:  

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4281694	A	9		

Abstract (Basic): US 4281694 A

The power tool cutting guide for making parallel cuts or arcuate cuts in a workpiece has a member, **rotatable** within the circular **track** of a frame, which can be fixed in any angular orientation relative to the workpiece. A guide assembly is joined to the rotatable member on which a tool support plate can slide between positionable stops. A ratchet arm with an attached pawl engages the serrations in a rack so as to incrementally move a workpiece along a fence.

The guide also has a spring-urged retention arm which holds the workpiece firmly against the fence during cutting and the cutting tool is automatically withdrawn from the workpiece surface upon completion of the cut.

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Title Terms: CUT; GUIDE; ROUTER; ROTATING; MEMBER; LINEAR; GUIDE; RAIL;  
MOUNT; CIRCULAR; GUIDE; TRACK; TOOL; SUPPORT; PLATE; COOPERATE  
Derwent Class: P63  
International Patent Class (Additional): B27C-005/10  
File Segment: EngPI

14/5/26 (Item 26 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003009269  
WPI Acc No: 1981-A9276D/198105  
**Cutting guide attachment for power tools - has workpiece centering pivot  
pin projecting from grooved track bar with slide to control feed path**  
Patent Assignee: HOUDAILLE INDS INC (HOUD )  
Inventor: FLANIGAN R J  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4244253	A	19810113				198105 B

Priority Applications (No Type Date): US 78916949 A 19780619

Abstract (Basic): US 4244253 A

The attachment has a grooved track bar locked on and removed from the machine bed or table carrying a slide in the groove which has a workpiece centering projecting pivot pin. A workpiece is either directly pivoted on the pin or secured to a template pivoted on the pin and is rotated about its pivot support against the cutting tool.

The slide may be locked in the groove at a selected distance from the tool, may be pushed against a stop at a selected position in the groove or may be shifted by a cam to control the feed path of the workpiece for forming desired contours.

Title Terms: CUT; GUIDE; ATTACH; POWER; TOOL; WORKPIECE; CENTRE; PIVOT; PIN ; PROJECT; GROOVE; TRACK; BAR; SLIDE; CONTROL; FEED; PATH

Derwent Class: P54; P56; P63

International Patent Class (Additional): B23D-053/06; B23Q-027/00; B27B-013/04

File Segment: EngPI

14/5/27 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002332051

WPI Acc No: 1980-D8490C/198017

**Saw table for circular saw or router - has pair of elongated parallel tracks on upper flat surface of base, and releasable stop comprising L-shaped lever within channel**

Patent Assignee: HIRSH CO (HIRS-N)

Inventor: BAISCH H; HANDLER M E; SYLVAN R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4197775	A	19800415				198017 B

Priority Applications (No Type Date): US 78947762 A 19781002

Abstract (Basic): US 4197775 A

The safer, more efficient saw table construction has channelled guide tracks which slidably support a tool and plate assembly in any one of two positions at right angles to each other. The tool can be readily moved from one position to another, without remounting the tool on the tool plate.

This is by controllable withdrawal of the tool plate from the ends of the **guide tracks**, **rotation** of the entire **tool** and plate assembly and reinsertion of the plate into the channelled tracks.

Title Terms: SAW; TABLE; CIRCULAR; SAW; ROUTER; PAIR; ELONGATE; PARALLEL; TRACK; UPPER; FLAT; SURFACE; BASE; RELEASE; STOP; COMPRISE; L-SHAPED; LEVER; CHANNEL

Derwent Class: P63

International Patent Class (Additional): B27B-005/20

File Segment: EngPI

14/5/28 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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001958181

WPI Acc No: 1978-J7454A/197844

**Corner insert fixing jig for laminated plastics work top - uses male and female templates to guide cutter with workpiece and templates positioned by pneumatic cylinders**

Patent Assignee: KLEIN F G (KLEI-I)

Inventor: KLEIN F G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4102374	A	19780725				197844 B

Priority Applications (No Type Date): US 76664713 A 19760308

Abstract (Basic): US 4102374 A

the diagonal corner insert transects the inside corner of the counter top and permits the counter top to accommodate a rotatable shelf underneath. Dimensionally corresponding female and male templates are provided so that a cutting tool guided by the templates will produce a corresponding male insert for the void created in the counter top with the female template.

The counter top and template are secured in an easily accessible position by a jig appts. which utilizes pneumatic pistons for securing both the workpiece and the templates

Title Terms: CORNER; INSERT; FIX; JIG; LAMINATE; PLASTICS; WORK; TOP; MALE; FEMALE; TEMPLATE; GUIDE; CUT; WORKPIECE; TEMPLATE; POSITION; PNEUMATIC; CYLINDER

Derwent Class: P56; P63

International Patent Class (Additional): B23Q-003/06; B27C-005/06

File Segment: EngPI

14/5/29 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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001945101

WPI Acc No: 1978-H4369A/197838

**Radius router guide for timber - has legs connected to track which slidably supports router to swing about leg pivot axis**

Patent Assignee: PACHNIK B E (PACH-I)

Inventor: PACHNIK B E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4112987	A	19780912				197838 B

Priority Applications (No Type Date): US 76742456 A 19761117

Abstract (Basic): US 4112987 A

The radius router guide has a pair of legs arranged for receiving a piece of material to be cut. The legs are connected to a track arrangement which slidably supports a router. The legs are also attached to the workpiece itself in such a manner as to pivot about an appropriate axis for cutting a desired radius on the workpiece.

The router slides bak and forth as it swings about the pivot axis of the legs so as to form a radius on the associated end of the workpiece. At least one of the legs is adjustably mounted on the track arrangement.

Title Terms: RADIUS; ROUTER; GUIDE; TIMBER; LEG; CONNECT; TRACK; SLIDE;

SUPPORT; ROUTER; SWING; LEG; PIVOT; AXIS  
Derwent Class: P63  
International Patent Class (Additional): B27C-005/10  
File Segment: EngPI

14/5/30 (Item 30 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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001542007

WPI Acc No: 1976-L4952X/197648

**Power saw guide assembly with base member on saw table - has saw support  
slide member in C-section track member pivotal upwards on rotary  
member**

Patent Assignee: GIRARDIN G A (GIRA-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3991643	A	19761116				197648 B

Priority Applications (No Type Date): US 76651043 A 19760121

Abstract (Basic): US 3991643 A

A power saw guide assembly comprises a base member adapted for mounting on a saw table and having a circular recess in its upper surface. A U-shaped mounting member is rotatably and lockably mounted on the base member for rotation about a vertical axis with the web slidably seated against the upper surface of the base member, and a cylindrical boss secured to and extending downwardly from the web is seated in the circular recess. An elongated section **track** member has one end intermediate and **pivotably** secured to the legs for pivotal movement about a horizontal axis. An elongated slide member adapted for mounting a power saw is slidably disposed intermediate the track member flanges which are slidably received in longitudinal grooves in opposite vertical side surfaces of the slide member.

Title Terms: POWER; SAW; GUIDE; ASSEMBLE; BASE; MEMBER; SAW; TABLE; SAW; SUPPORT; SLIDE; MEMBER; SECTION; TRACK; MEMBER; PIVOT; UP; ROTATING; MEMBER

Derwent Class: P63

International Patent Class (Additional): B27B-009/04

File Segment: EngPI

14/5/31 (Item 31 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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001253975

WPI Acc No: 1975-D7790W/197514

**Saw table rotatable saw track - is mounted from beneath table and is  
independent of table**

Patent Assignee: TAPCO PRODUCTS CO (TAPC-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3872755	A	19750325				197514 B

Priority Applications (No Type Date): US 73379329 A 19730716



Abstract (Basic): US 3872755 A

A pair of guide rails (14, 15) are supported by screws on end members (16) to define a guide or track for the portable saws. Each of the end members (16) is supported on a beam (17) that is pivoted to the underside of the table by a bolt. The rails (14, 15) are provided with vinyl strips (19) having portions extending into grooves in the rails, providing low friction surfaces for the saw. Bolt extends through an elongated opening in a projection so that rail (14) can be selectively positioned on stanchion (16) to accommodate saws of different widths. A protractor (25) is fixed to the table (10) by screws extending into brackets fixed to the protractor and is formed with indicia in the form of angular markings. The center of protractor (25) is at the **axis** of the bolt which **rotatably** mounts the **track** on the table.

Title Terms: SAW; TABLE; ROTATING; SAW; TRACK; MOUNT; BENEATH; TABLE; INDEPENDENT; TABLE

Derwent Class: P63

International Patent Class (Additional): B27B-005/20 ; B27B-009/04

File Segment: EngPI

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18/5/5 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013530888 \*\*Image available\*\*  
WPI Acc No: 2001-015094/200102  
XRPX Acc No: N01-011404

**Router guide for cutting grooves of different widths has rotating plate with hole whose center axis is offset at predetermined distance from center axis of hole of depression formed to baseplate**

Patent Assignee: WOOD D K (WOOD-I)

Inventor: WOOD D K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6145556	A	20001114	US 2000512999	A	20000225	200102 B

Priority Applications (No Type Date): US 2000512999 A 20000225

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6145556	A	7	B27C-009/00	

Abstract (Basic): US 6145556 A

NOVELTY - A rotating plate (14), resting in a depression (15) and that turns around a central axis (25) of a hole (17) formed to the depression, has a hole (19) that is set over the depression hole. The center axis (27) of the rotating plate hole is offset at a distance (22) from the central axis of the depression hole. The depression forms part of a base plate (12) that also has a guide edge (28).

USE - For forming grooves e.g. dados of different widths with single router bit, to wooden workpiece.

ADVANTAGE - Allows position of router bit to be changed relative to the guide fence. Allows for smooth and gradual change of distance in order to accommodate any needed change in width of the groove within a range of distances possible for the same distance. Prevents slippage and unintended change in the width of the groove being cut. Allows for additional cuts to be made on either side of the original groove, thus being more proximal or more distal to the guide fence. Equally usable to right and left hand users by rotating guide to abut guide fence either on the left or right side of the workpiece.

DESCRIPTION OF DRAWING(S) - The figure shows a top view of the router tool.

Base plate (12)  
Rotating plate (14)  
Depression (15)  
Hole (17)  
Hole (19)  
Distance (22)  
Central axis (25)  
Center axis (27)  
Guide edge (28)  
pp; 7 DwgNo 1/2

Title Terms: ROUTER; GUIDE; CUT; GROOVE; WIDTH; ROTATING; PLATE; HOLE; AXIS; OFFSET; PREDETERMINED; DISTANCE; AXIS; HOLE; DEPRESS; FORMING; BASEPLATE

Derwent Class: P63

International Patent Class (Main): B27C-009/00

International Patent Class (Additional): B27C-001/00

File Segment: EngPI

18/5/6 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013250331 \*\*Image available\*\*  
WPI Acc No: 2000-422214/200036  
XRPX Acc No: N00-315049

**Cove molding set-up device for setting up a saw table used for wood working, has fence guide bar mounted to protractor in state by which distance of fence guide bar from pivot can be adjusted**

Patent Assignee: ENGLISH C C (ENGL-I)

Inventor: ENGLISH C C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6073532	A	20000613	US 99317816	A	19990525	200036 B

Priority Applications (No Type Date): US 99317816 A 19990525

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6073532	A		8 B27B-005/02	

Abstract (Basic): US 6073532 A

NOVELTY - A slide bar (30) can be mounted on a platform (20) at several traverse positions with respect to a bottom fork (21). A protractor (36) is turnably mounted to the slide bar at several adjustable angles with respect to a pivot (35). A fence guide bar (45) is mounted to the protractor in a state by which the distance of the fence guide bar from the pivot can be adjusted.

DETAILED DESCRIPTION - The bottom fork (21) of a platform (20) is supported onto a saw table arbor beside a disk blade. An INDEPENDENT CLAIM is also included for a rip fence locating method.

USE - For setting up a saw table in preparation for the cutting of a cove of selected size and location in a stock material e.g. molding strip, raised panel.

ADVANTAGE - Eliminates need for worker to perform trial and error approach, thus wasting of working time can be avoided.

DESCRIPTION OF DRAWING(S) - The figure shows the explanatory drawing of a set-up device.

Platform (20)  
Bottom fork (21)  
Slide bar (30)  
Pivot (35)  
Protractor (36)  
Fence guide bar (45)  
pp; 8 DwgNo 4/5

Title Terms: COVE; SET-UP; DEVICE; SET; UP; SAW; TABLE; WOOD; WORK; FENCE; GUIDE; BAR; MOUNT; PROTRACTOR; STATE; DISTANCE; FENCE; GUIDE; BAR; PIVOT; CAN; ADJUST

Derwent Class: P62; P63

International Patent Class (Main): B27B-005/02

International Patent Class (Additional): B26D-007/02

File Segment: EngPI

18/5/7 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012674260 \*\*Image available\*\*

WPI Acc No: 1999-480367/199941

XRPX Acc No: N99-357711

**Guide or template for cutting corners in thick frame members**

Patent Assignee: PETERS E (PETE-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29906683	U1	19990826	DE 99U2006683	U	19990415	199941 B

Priority Applications (No Type Date): DE 99U2006683 U 19990415

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 29906683	U1		4 B27B-009/04	

Abstract (Basic): DE 29906683 U1

NOVELTY - The template may be used with a power hand saw (2) and may hold it at the required angle, e.g. 45 degrees to the longitudinal axis of the wooden frame member (1). A screw clamp (4c) firmly fastens the **template** to the beam. A **guide rail** (4a) **pivots** on the clamp and can hold the **saw** on a support plate (3) at different angles. The clamp has a stabilizing piece (4b) at the side, and shoes (7,7a) may be inserted in the clamp to accommodate thin frame members.

USE - Clamp and template for setting power saw to cut ends of thick frame members at different angles.

ADVANTAGE - Template holds power saw firmly and is easy to set up.

DESCRIPTION OF DRAWING(S) - The drawing shows several views of the clamp and template.

Wooden frame member (1)

Power hand saw (2)

Support plate (3)

Guide rail (4a)

Stabilizing piece (4b)

Screw clamp (4c)

Shoes (7,7a)

pp; 4 DwgNo 1/1

Title Terms: GUIDE; TEMPLATE; CUT; CORNER; THICK; FRAME; MEMBER

Derwent Class: P63

International Patent Class (Main): **B27B-009/04**

International Patent Class (Additional): **B27B-019/00**

File Segment: EngPI

**18/5/8 (Item 6 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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011853639 \*\*Image available\*\*

WPI Acc No: 1998-270549/199824

XRPX Acc No: N98-212453

**Jig for feeding work to table cutting saw - has elongated guide rail, rotatably connected to base plate which supports work piece, with axis of rotation lying in same plane of cutting blade**

Patent Assignee: BOUDREAU J P (BOUD-I)

Inventor: BOUDREAU J P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5743161	A	19980428	US 95508379	A	19950731	199824 B
			US 96770681	A	19961217	

Priority Applications (No Type Date): US 95508379 A 19950731; US 96770681 A 19961217

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5743161	A		10	B27B-025/08	Cont of application US 95508379

Abstract (Basic): US 5743161 A

The jig(10) comprises a base plate with an underside and an upper flat surface for supporting a work piece and a mount for slidably mounting the jig on the upper table face of the table cutting saw(60) for enabling the jig to slide along a jig sliding path. The jig sliding path is parallel to a cutting path of the cutting blade(64). It also has an elongated guide rail for advancing a work piece into the cutting blade. The guide rail is rotatably connected to the base plate(12) for rotation of the guide rail about a single axis of rotation.

The axis of rotation of the **guide** rail is fixed with regard to the jig, and the axis of rotation of the **guide** rail is coincident with a cutting plane of the cutting blade. There is a slot in the base plate where the slot is generally parallel to the sliding path of the jig for providing clearance for the cutting blade when the base plate is slid over the upper table face of the table cutting **saw**.

ADVANTAGE - Is capable of infinite adjustment about a wide range of cutting angles.

Dwg.1/7

Title Terms: JIG; FEED; WORK; TABLE; CUT; SAW; ELONGATE; GUIDE; RAIL; ROTATING; CONNECT; BASE; PLATE; SUPPORT; WORK; PIECE; AXIS; ROTATING; LIE ; PLANE; CUT; BLADE

Derwent Class: P62; P63

International Patent Class (Main): **B27B-025/08**

International Patent Class (Additional): B26D-007/01; **B27B-027/06**

File Segment: EngPI

18/5/9 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011671592 \*\*Image available\*\*

WPI Acc No: 1998-088501/199809

XRPX Acc No: N98-070259

**Detachable drilling jig for portable power tool - has spring loaded base which makes three point contact with workpiece, and guide columns to maintain tool alignment**

Patent Assignee: BAUMERT S (BAUM-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29721100	U1	19980122	DE 97U2021100	U	19971128	199809 B

Priority Applications (No Type Date): DE 97U2021100 U 19971128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 29721100	U1		15	B23B-045/14	

Abstract (Basic): DE 29721100 U

The jig has a base plate with three fixed guide columns (8-10) which are arranged in an equilateral triangle, and on which slides a guide plate (3) with a clamp (4) to retain a portable power tool (2). The power tool is located in the **jig** with its **axis** offset, relative to the centre of the triangle, towards one column.

As the hand held tool is fed towards the workpiece, return springs (5-7) hold the rubber or plastic coated heel (16) of the columns against the surface of the workpiece.

USE - For drilling holes normal to the flat surface of a workpiece, e.g. wall, with a hand held electric or pneumatic drill, hammer drill or chisel.

ADVANTAGE - Ensures that the power tool axis is normal to the flat surface of a workpiece throughout the drilling operation.

Dwg.1/5

Title Terms: DETACH; DRILL; JIG; PORTABLE; POWER; TOOL; SPRING; LOAD; BASE;

THREE; POINT; CONTACT; WORKPIECE; GUIDE; COLUMN; MAINTAIN; TOOL; ALIGN

Derwent Class: P54; P63

International Patent Class (Main): B23B-045/14

International Patent Class (Additional): B23B-045/00; B27C-003/08

File Segment: EngPI

18/5/10 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011671564 \*\*Image available\*\*

WPI Acc No: 1998-088473/199809

XRPX Acc No: N98-070231

**Cross cut saw bench for cross and mitred cutting - has fixed base on which workpiece is clamped, and swivelling table on which saw travels**

Patent Assignee: MAFELL AG (MAFE-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29720848	U1	19980122	DE 97U2020848	U	19971125	199809 B

Priority Applications (No Type Date): DE 97U2020848 U 19971125

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 29720848	U1		16	B23D-045/06	

Abstract (Basic): DE 29720848 U

The saw bench has a fixed base (8) on which a detachable swivel table (18) is mounted. The table has guide rails or tracks on which a circular saw travels linearly in the plane of the saw blade (2). The workpiece (31) is clamped to the fixed bench (8) and the swivel table can be turned and locked so that the saw can cut the workpiece to length at any desired mitre angle.

The swivel table can be located by a circular track on which run three or more wheels, one of which can be locked, and which rotate about axes radial to the swivel axis; or by interlocking circular lips the base and swivel table.

ADVANTAGE - Is easier to use, especially with large workpieces, than known saw benches where the saw table runs on a fixed track, and the workpiece is positioned to achieve the desired mitre angle.

Dwg.7/7

Title Terms: CROSS; CUT; SAW; BENCH; CROSS; MITRE; CUT; FIX; BASE;

WORKPIECE; CLAMP; SWIVEL; TABLE; SAW; TRAVEL

Derwent Class: P54; P63; P64

International Patent Class (Main): B23D-045/06

International Patent Class (Additional): B23D-047/02; B27B-005/16 ;

B27B-005/29 ; B28D-001/08

File Segment: EngPI

18/5/12 (Item 10 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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011129376 \*\*Image available\*\*  
WPI Acc No: 1997-107300/199710  
XRPX Acc No: N97-088808

**Adjustable fence assembly usable as power tool - has fence with planar and opposing sides having traveller pivotally supporting fence having trolley simultaneously movably coupled with**

Patent Assignee: AMERICAN MACHINE & TOOL CO INC (AMMA-N)

Inventor: VARLEY D A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5595227	A	19970121	US 95452595	A	19950525	199710 B

Priority Applications (No Type Date): US 95452595 A 19950525

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5595227	A	14	B27C-001/14	

Abstract (Basic): US 5595227 A

The assembly includes a planar fence secured with a handle having an arcuate body portion which is rotatably coupled through an arcuate trolley member with an arcuate body portion of a fence traveller. The fence is directly pivotally coupled along its lower edge to the traveller along an axis of rotation which lies generally along the lower surface of the traveller.

The lower traveller surface is supported on an upper surface of a fence track, which can be adjustably mounted to the rear cover of a conventional jointer-planer. Each arcuate body portion is about 45 deg. or less in arcuate extent with respect to the pivot axis to permit the portions to collapse and the fence to be rotated from an upright position to at least a 45 deg. position away from the **jointer - planer**. The angular position of the fence is selectably adjustable through the use of a single threaded fastener. Lateral position of the fence with respect to the **jointer - planer** is selectably adjustable through a second adjustable fastener. An angular **guide** attached to the fence provides a direct readout of the angular position of the fence.

**ADVANTAGE** - The collapsible linkage further permits the fence traveller carrying the fence to be extended over the tables.

Dwg.2/11

Title Terms: ADJUST; FENCE; ASSEMBLE; POWER; TOOL; FENCE; PLANE; OPPOSED; SIDE; TRAVELLER; PIVOT; SUPPORT; FENCE; TROLLEY; SIMULTANEOUS; MOVE; COUPLE

Derwent Class: P63

International Patent Class (Main): **B27C-001/14**

International Patent Class (Additional): **B27C-001/12**

File Segment: EngPI

18/5/13 (Item 11 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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011063981 \*\*Image available\*\*  
WPI Acc No: 1997-041906/199704  
XRPX Acc No: N97-034874

**Ancillary adjustable panel cutter - cutting tool carriage slidably received on guide frame, which is movable angularly across plane of workpiece supporting table**

Patent Assignee: HARTER E R (HART-I)

Inventor: HARTER E R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5582088	A	19961210	US 94257928	A	19940610	199704 B

Priority Applications (No Type Date): US 94257928 A 19940610

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5582088	A	10	B27B-005/07	

Abstract (Basic): US 5582088 A

The angularly adjustable panel cutting device comprises a support frame having a lower horizontally extending fence and a support surface for holding a sheetgood panel of at least approximately 4' multiplied by 8' in size and an inset panel having an arcuate guide surface and angle indicating indicia on an upper surface of it generally following the guide surface. It also has a guide frame having a first end and a second end.

The first end is pivotally secured to the support frame and the second end includes a slide block secured to the guide frame. The slide block has a guide member in engagement with the arcuate guide surface of the inset panel and guiding movement of the second end along an arcuate path to define a cutting angle. There is a cutting tool carriage mounted for linear movement along the guide frame between the first and second ends. A lock is connected at the second end of the guide frame and acting between the second end and the support frame to lock the guide frame at a desired angle. The slide block includes an edge extending generally parallel to the **fence** when the **guide** frame is **pivoted** to a position extending about 45deg. with respect to the **fence**, the edge thereby adapted to abut an upper edge of the sheetgood panel.

Dwg.1/7

Title Terms: ANCILLARY; ADJUST; PANEL; CUT; CUT; TOOL; CARRIAGE; SLIDE; RECEIVE; GUIDE; FRAME; MOVE; ANGULAR; PLANE; WORKPIECE; SUPPORT; TABLE

Derwent Class: P63

International Patent Class (Main): B27B-005/07

File Segment: EngPI

18/5/14 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011056885

WPI Acc No: 1997-034810/199704

XRPX Acc No: N97-276484

**Locating table for separating saw and machine table - has running roller with profiled rim formed as profiled rail located in roller stool pivotable around vertical axis, guided on running track**

Patent Assignee: SCHELLING & CO SCHWARZACH (SCHE-N); SCHELLING ANLAGENBAU GMBH (SCHE-N)

Inventor: POESCHL W; POSCHL W

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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AT 9501858	A	19961215	AT 951858	A	19951114	199704	B
DE 19639255	A1	19970515	DE 1039255	A	19960925	199731	
AT 402705	B	19970615	AT 951858	A	19951114	199729	
IT 1288774	B	19980924	IT 96T0862	A	19961023	200128	
DE 19639255	C2	20010628	DE 1039255	A	19960925	200137	

Priority Applications (No Type Date): AT 951858 A 19951114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AT 9501858	A			B27B-005/16	
DE 19639255	A1		5	B23D-047/02	
AT 402705	B			B27B-005/16	Previous Publ. patent AT 9501858
IT 1288774	B			B27B-000/00	
DE 19639255	C2			B23D-047/02	

Abstract (Basic): DE 19639255 A

The locating table has (5) adjacent corner areas (9,10) fitted on horizontal guides (6,7) arranged at right angles to one another. One of the guides runs parallel to the cut plane of the saw (1). The sides of the locating table turned away from the guided corner areas is supported with at least one running roller rolling along an arc-shaped running track (15).

The running roller is located in a roller stool pivotable around a vertical axis and the running roller and the roller stool are guided on the running track. The running roller has a profiled rim and the running track is formed as a corresponding profile rail. The running track has an arc shape deviating from a circular track.

ADVANTAGE - The construction is simplified so that the same effect as that achieved with known equipment is obtained with reduced constructive expenditure.

Dwg.1/3

Title Terms: LOCATE; TABLE; SEPARATE; SAW; MACHINE; TABLE; RUN; ROLL; PROFILE; RIM; FORMING; PROFILE; RAIL; LOCATE; ROLL; STOOL; PIVOT; VERTICAL; AXIS; GUIDE; RUN; TRACK

Derwent Class: P54; P63

International Patent Class (Main): B23D-047/02; B27B-000/00 ; B27B-005/16

International Patent Class (Additional): B23D-045/00; B27B-005/06

File Segment: EngPI

18/5/17 (Item 15 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010471452 \*\*Image available\*\*

WPI Acc No: 1995-372824/199548

XRPX Acc No: N95-274875

**Fence for saw table - has threaded shaft mounted parallel to one side edge of saw table platform**

Patent Assignee: BUSKNESS E C (BUSK-I)

Inventor: BUSKNESS E C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5460070	A	19951024	US 94318422	A	19941005	199548 B

Priority Applications (No Type Date): US 94318422 A 19941005

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5460070	A		7	B27B-027/02	

Abstract (Basic): US 5460070 A

The fence comprises threaded shaft rotatably mounted on forward and rearward bearings for rotatable movement along the longitudinal axis of the shaft. The shaft is rotated about its rotation axis. A **guide fence guides** a workpiece along an upper surface of a **saw table** having first and second ends, the first end being operably connected to the shaft for longitudinal movement along the shaft in response to rotation of the shaft.

The guide fence includes a mounting block connected to the first end, including a longitudinal threaded aperture engaging the threaded shaft such that rotation of the shaft moves the block longitudinally. A locking mechanism is operably connected between the block and shaft for selectively affixing the guide fence to the shaft such that the guide fence pivots with the shaft about the rotational axis of the shaft. The locking mechanism includes a threaded radial aperture formed in the mounting block having an axis extending radially from the shaft.

ADVANTAGE - Does not require separate adjustment of ends of fence.

Dwg.1/5

Title Terms: FENCE; SAW; TABLE; THREAD; SHAFT; MOUNT; PARALLEL; ONE; SIDE; EDGE; SAW; TABLE; PLATFORM

Derwent Class: P63

International Patent Class (Main): B27B-027/02

File Segment: EngPI

18/5/18 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010364112 \*\*Image available\*\*

WPI Acc No: 1995-265425/199535

XRPX Acc No: N95-204250

**Circular hand saw with swing protective hood - has mitre angle adjusting device provided and includes depth-of-cut guide brackets**

Patent Assignee: BOSCH GMBH ROBERT (BOSC )

Inventor: MATZO D; SCHILLING R

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2286149	A	19950809	GB 95852	A	19950117	199535 B
DE 4403186	A1	19950803	DE 4403186	A	19940202	199536
US 5517763	A	19960521	US 95376102	A	19950120	199626
GB 2286149	B	19971001	GB 95852	A	19950117	199742
IT 1273464	B	19970708	IT 95MI142	A	19950127	199814
CH 688765	A5	19980313	CH 943100	A	19941014	199815

Priority Applications (No Type Date): DE 4403186 A 19940202

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2286149	A		19	B27B-009/02	
DE 4403186	A1		9	B23D-045/16	
US 5517763	A		9	B23D-045/16	
GB 2286149	B			B27B-009/02	
IT 1273464	B			B23D-000/00	
CH 688765	A5			B23D-045/16	

Abstract (Basic): GB 2286149 A

A ring segment, disposed on the base plate (114) and uniformly arched upwards, of a link part (121') firmly connected to the base plate with its convex side directed upwards carries the guideway (122),

the centre of curvature of which is congruent with the axis (130) used for adjustment of the mitre angle.

The guideway (122) is formed by a strip-like web (121') which is stamped free and pressed out from the base plate (114) and is an integral part of the base plate (114). A first link block (123) carries the depth-of-cut guide bracket (135) and a second link block (23) similar to the first carries, in particular, a joint which forms the first axis.

ADVANTAGE - Since guidance is, as it were, free from play, mitre plunge cuts may be produced particularly accurately, with flat, drag-free cutting surfaces combined with minimal removal of material, i.e. with a high degree of efficiency.

Dwg.3/4

Title Terms: CIRCULAR; HAND; SAW; SWING; PROTECT; HOOD; MITRE; ANGLE; ADJUST; DEVICE; DEPTH; CUT; GUIDE; BRACKET

Derwent Class: P54; P63

International Patent Class (Main): B23D-000/00; B23D-045/16; **B27B-009/02**

International Patent Class (Additional): B23D-045/14; **B27B-009/00**

File Segment: EngPI

18/5/19 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010342530 \*\*Image available\*\*

WPI Acc No: 1995-244615/199532

XRPX Acc No: N95-189940

**Universal tabletop-mounted woodworking machining centre. - has additional detachable unit with lateral carriage and cam for regrinding planing blades**

Patent Assignee: KRASD TSENTR COOP (KDTS-R)

Inventor: DAVIDENKO I I; KNYSH P V; SHIROBOKOV V A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RU 2026171	C1	19950110	SU 5023923	A	19920708	199532 B

Priority Applications (No Type Date): SU 5023923 A 19920708

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
RU 2026171	C1		5	B27C-009/02	

Abstract (Basic): RU 2026171 C

The machining centre comprises bed (1), spindle unit (3), units for planing, sawing, drilling, a device for grinding the planing blade etc., movable table (4), a grinding wheel, and a motor drive (2). The spindle unit has a cutter drum (5), with e.g. two cantilevered spindle ends for mounting working units. The planing unit has cutter drum (5), a rotatable sleeve (6), and a **guide** fence (7). The machine has a **saw** blade (8) on the end of the spindle and a table (9) with safety cowlings (10,11). The machine is equipped with a **drill** (12) in a chuck (13) a bracket mounted table (14), and a movable fence (15).

ADVANTAGE - Improves balance of the machine.

Dwg.1,2/5

Title Terms: UNIVERSAL; MOUNT; WOODWORK; MACHINING; CENTRE; ADD; DETACH; UNIT; LATERAL; CARRIAGE; CAM; REGRIND; PLANE; BLADE

Derwent Class: P63

International Patent Class (Main): **B27C-009/02**

File Segment: EngPI

18/5/23 (Item 21 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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004709065  
WPI Acc No: 1986-212407/198633  
XRPX Acc No: N86-158555

**Re-saw for wood splitting - has rotatable fence to guide wood which is clamped by side pressure rollers**

Patent Assignee: BARANSKI E J (BARA-I)  
Inventor: BARANSKI E J  
Number of Countries: 002 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 1207637	A	19860715	CA 456533	A	19840613	198633 B
US 4681005	A	19870721	US 85744335	A	19850613	198731

Priority Applications (No Type Date): CA 456533 A 19840613

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 1207637	A		26		

Abstract (Basic): CA 1207637 A

The resaw for splitting wood comprises a housing (4) having two sides, a front and a rear with an entrance for the wood located at the front and an exit for the wood being located at the rear. There are twin arbors located between the entrance and exit. Each arbor has at least one saw blade mounted on it. One arbor is positioned so that its blade cuts the lower portion of the wood. The other arbor is positioned so that its blade or blades cuts the upper portion of the wood. There is a workbed for the wood located between the entrance and exit.

A rotatable fence extends along the workbed and slightly beyond the entrance and exit. The fence has a continuous belt mounted on a side adjacent to the blades. The belt is rotatable in an appropriate direction so that the belt can force wood being split towards the exit when the resaw is in use. Two side pressure rollers are mounted adjacent to the rotatable fence on a side adjacent to the blades. The pressure rollers are automatically adjustable so that they can exert pressure towards the fence on any wood located between the rollers and fence. (26pp Dwg.No.3/6)

Title Terms: SAW; WOOD; SPLIT; ROTATING; FENCE; GUIDE; WOOD; CLAMP; SIDE; PRESSURE; ROLL

Derwent Class: P63

International Patent Class (Additional): B27B-007/04 ; B27B-025/02 ; B27B-027/02 ; B27L-007/00

File Segment: EngPI

18/5/25 (Item 23 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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004210525  
WPI Acc No: 1985-037405/198506  
XRPX Acc No: N85-027749

**Quick positioning cut-off guide for hand power saw - has guide held against saw table edge and pivotal turntable index activated by spring and trigger**

Patent Assignee: YOUNG R W (YOUN-I)

Inventor: YOUNG R W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4494434	A	19850122	US 82394504	A	19820702	198506 B

Priority Applications (No Type Date): US 82394504 A 19820702

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4494434	A		21		

Abstract (Basic): US 4494434 A

A planar main guide frame member lies flat upon the top surface of the workpiece. The guide frame has one edge which forms a guide edge for the left edge of the saw table to ride against during the whole cutting operation. A hand-contoured handle forms one arm of the guide frame. One end of the guide frame has a housing attached to its underside. Pivottally mounted in this housing and the end of the guide frame is a turntable to which is mounted a detachable index.

A trigger and spring activate the turntable and index, causing them to rotate from the storage to the measure or gauging position. Once the index is calibrated to a particular **saw** or **saws** for any given angle, square or bevel, adjusted on that **saw**, the index will then form an accurate and permanent gauge to position the **guide** w.r.t. the line of cut desired. The blade and thus the **saw** kerf can be accurately positioned to either side of or centered on the line of cut.

USE - Cutting guide for hand held power saw, esp. a circular saw.  
1/33

Title Terms: QUICK; POSITION; CUT; GUIDE; HAND; POWER; SAW; GUIDE; HELD; SAW; TABLE; EDGE; PIVOT; TURNTABLE; INDEX; ACTIVATE; SPRING; TRIGGER

Derwent Class: P63

International Patent Class (Additional): B27B-009/04

File Segment: EngPI

18/5/26 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003107593

WPI Acc No: 1981-L7641D/198146

**Circular saw platform for mitre cutting - has angularly adjustable work locating rails, with portable saw held releasably and swivelably**

Patent Assignee: HIRSH CO (HIRS-N)

Inventor: BAISCH H; FERDINAND I J; SYLVAN R

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3043037	A	19811105				198146 B
GB 2074936	A	19811111	GB 8036023	A	19801110	198146
FR 2481187	A	19811030				198149
US 4328728	A	19820511				198221
GB 2074936	B	19840418				198416

Priority Applications (No Type Date): US 80141072 A 19800429

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3043037	A		22		

Abstract (Basic): DE 3043037 A

The platform is intended for releasably carrying a portable circular saw unit (12) and supporting a workpiece (36) whilst making a mitre cut. The unit is held on a support (40) by releasable clamps and the support is swivelable relative to the platform about a horizontal pivot (62) to permit positioning and removing the work.

At least one work locating rail (100) is swivelable on the platform about a vertical pivot and is guided by a pin in a curved slot of the platform. The slot curvature has the vertical pivot as its centre. A clamp screw (132) through a further curved slot permits fixing the rail in a selected angular position.

Title Terms: CIRCULAR; SAW; PLATFORM; MITRE; CUT; ANGULAR; ADJUST; WORK; LOCATE; RAIL; PORTABLE; SAW; HELD; RELEASE; SWIVEL

Derwent Class: P54; P63

International Patent Class (Additional): B23D-045/14; B23D-047/00;

B27B-005/29 ; B27B-009/04 ; B27B-027/08 ; B27G-005/02; B27G-019/02

File Segment: EngPI

18/5/27 (Item 25 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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002358799

WPI Acc No: 1980-G5250C/198030

**Self-aligning fence for radial arm saw - has carriage and linear slide for work fence and proportional cam actuator for arm turntable**

Patent Assignee: EXCOR INC (EXCO-N)

Inventor: PYLE S H; THORSELL R H

Number of Countries: 005 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4211134	A	19800708				198030 B
DE 2918702	A	19801009				198042
GB 2045158	A	19801029				198044
FR 2452344	A	19801128				198104
DE 2918702	B	19810205				198107
CA 1101760	A	19810526				198125
GB 2045158	B	19821208				198249

Priority Applications (No Type Date): US 7924174 A 19790326

Abstract (Basic): US 4211134 A

Present limit stops may be employed to define the adjustment limits of the saw turntable rotational axis relative to the fence plane. The fence is supported on a carriage having a linear **guide** across the turntable rotational axis and the linear **guide** is fixed in relation to the basic support for the **saw** and its turntable carriage.

Engaging cam and follower elements of the saw turntable and fence carriage coact in response to turntable rotation to displace the work fence on a linear path in direct proportion to angular rotation of the saw turntable. The fence clearance gap is always in alignment with the rotating saw blade for any angular path of movement during the cutting of workpieces which are held in engagement with the fence

Title Terms: SELF; ALIGN; FENCE; RADIAL; ARM; SAW; CARRIAGE; LINEAR; SLIDE; WORK; FENCE; PROPORTION; CAM; ACTUATE; ARM; TURNABLE

Derwent Class: P54; P63

International Patent Class (Additional): B23D-047/02; B27B-005/20 ;

B27B-027/10

File Segment: EngPI

18/5/28 (Item 26 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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002139141

WPI Acc No: 1979-F9075B/197927

**Miter device for use with wood-cutting table saw - has jig rotatable mounted on guide rail and clampable to rail at desired setting along scale**

Patent Assignee: KAY S (KAYS-I); NATION WIDE MFG CO (NATI-N)

Inventor: KAY S

Number of Countries: 007 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4158320	A	19790619				197927 B
EP 2912	A	19790711				197929
CA 1068195	A	19791218				198002
EP 2912	B	19811202				198150
DE 2861425	G	19820128				198205

Priority Applications (No Type Date): US 77862537 A 19771220

Cited Patents: DE 126887; DE 165453; DE 236451; DE 500014; DE 970994; US 2237556; US 2632483; US 3352016; US 3812751; US 3986420

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 2912	A	E			
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Designated States (Regional): DE FR GB IT SE

EP 2912	B	E			
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Designated States (Regional): DE FR GB IT SE

Abstract (Basic): US 4158320 A

The jig, having two fixed jig faces forming a right angle, is rotatably mounted on a **guide** rail which can slide in each of the linear grooves formed parallel to and on opposite sides of a conventional wood -cutting **saw** table. Complementary cuts for the construction of mitered corners are obtained by directing the apex of the jig parallel to the cutting blade.

The first cut is made by supporting the wood on the appropriate jig face as it is guided through the blade. Without changing its setting relative to the guide rail, the jig is transferred to the groove on the opposite side of the blade and a second cut is made

Title Terms: MITRE; DEVICE; WOOD; CUT; TABLE; SAW; JIG; ROTATING; MOUNT; GUIDE; RAIL; CLAMP; RAIL; SET; SCALE

Derwent Class: P63

International Patent Class (Additional): B27B-025/10 ; B27B-027/06 ; B27G-005/02

File Segment: EngPI

18/5/29 (Item 27 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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001965640

WPI Acc No: 1978-K4915A/197848

**Flat workpiece edge automatic machining equipment - has articulated arm with roller on each lever working against templates**

Patent Assignee: MASCHFAB ZUCKER KG (MZUK )

Inventor: SCHMIDT E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2722290	A	19781123				197848 B

Priority Applications (No Type Date): DE 2722290 A 19770517

Abstract (Basic): DE 2722290 A

Equipment which automatically machines the edges of a flat workpiece, partic. of wood, aluminium etc. has a tool head on an arm swinging in the plane of the workpiece and guided by a roller working against a **template**. The workpiece is accommodated on a table **turning** during the machining operation.

The swing arm (14, 15) is articulated, comprising a first lever (16, 18), on whose free end a second one (17, 19, 20) with the tool head (12, 13ab) and roller hinges. At the free end of the first lever near the hinge axis is a second roller, working against a second template so as to regulate the angle between the two levers

Title Terms: FLAT; WORKPIECE; EDGE; AUTOMATIC; MACHINING; EQUIPMENT; ARTICULATE; ARM; ROLL; LEVER; WORK; TEMPLATE

Derwent Class: P54; P63

International Patent Class (Additional): B23C-003/12; B27C-005/00

File Segment: EngPI

18/5/30 (Item 28 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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001276956

WPI Acc No: 1975-G0865W/197523

**Material shaping platform with multiple or exchangeable templates - uses pairs of hinged longitudinal peripheral arms**

Patent Assignee: REVOLUTION INC (REVO-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3885612	A	19750527				197523 B

Priority Applications (No Type Date): US 73422926 A 19731210; US 71129507 A 19710330; US 71198727 A 19711115; US 71214007 A 19711230

Abstract (Basic): US 3885612 A

The device for guiding a material workpiece to be shaped by a working tool comprises a rotatable platform for mounting the workpiece thereon, a pivotal platform carriage a platform support to which the platform is rotatably secured, the platform support having means for reciprocating travel therealong and arm members pivotally attached between the platform support and the **pivotal** carriage. In one embodiment, the **guide** member or **template** are attached to an axle for the **rotatable** platform while the other of these members is secured to a stationary member. In another embodiment, a number of template surfaces are attached directly to the platform and arranged in a vertical stack relative to the platform and arranged horizontally thereon.

Title Terms: MATERIAL; SHAPE; PLATFORM; MULTIPLE; EXCHANGE; TEMPLATE; PAIR; HINGE; LONGITUDE; PERIPHERAL; ARM

Derwent Class: P63

International Patent Class (Additional): B27C-005/06



File Segment: EngPI  
?

22/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05035426 \*\*Image available\*\*  
FEMUR DRILLING JIG

PUB. NO.: 07-328026 [JP 7328026 A]  
PUBLISHED: December 19, 1995 (19951219)  
INVENTOR(s): KAWAI YASUHIRO  
KURAMOTO KOICHI  
HATAKE MASAHARU  
APPLICANT(s): NAKASHIMA PROPELLER KK [403165] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 06-145566 [JP 94145566]  
FILED: June 03, 1994 (19940603)  
INTL CLASS: [6] A61B-017/56; A61F-002/38; A61F-002/46  
JAPIO CLASS: 28.2 (SANITATION -- Medical)

#### ABSTRACT

PURPOSE: To provide a femur drilling jig capable of setting the bone marrow center and capable of concurrently being used as a **drill guide** by making a gauge plate rotatable to the right and left of a slide block, and interlocking the **drill guide** with the **gauge plate rotatably** to the right and left by the same **angle**.

CONSTITUTION: The vertical position of a **drill guide 18** is changed in response to the ratio of the length between a base plate 22 and a gauge plate 14 against the length between the base plate 22 and the **drill guide 18** in this femur drilling jig. The gauge plate 14 is made rotatable to the right and left of a slide block 12, and the **drill guide 18** is interlocked with the **gauge plate 14 rotatably** to the right and left by the same **angle**. When the front and rear faces of the far end of a femur 44 are pinched by the gauge plate 14 and the base plate 22 to determine the vertical position of the **drill guide 18**, the gauge plate 14 can be faced to the shaft direction of the femur 44, the **drill guide 18** is automatically faced to this direction, and a drill can drill the bone marrow center via the **drill guide 18**.

22/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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00701444 \*\*Image available\*\*  
DEVICE FOR SLANTING TOOL RECEIVING CYLINDER IN TOOL STORING MAGAZINE

PUB. NO.: 56-021744 [JP 56021744 A]  
PUBLISHED: February 28, 1981 (19810228)  
INVENTOR(s): SUZUKI TOSHIYUKI  
APPLICANT(s): ENSHU LTD [330018] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 54-096300 [JP 7996300]  
FILED: July 28, 1979 (19790728)  
INTL CLASS: [3] B23Q-003/157  
JAPIO CLASS: 25.2 (MACHINE TOOLS -- Cutting & Grinding)  
JAPIO KEYWORD: R062 (MACHINERY -- Automatic Tool Exchanging Equipment, ATC)  
JOURNAL: Section: M, Section No. 68, Vol. 05, No. 72, Pg. 8, May 14, 1981 (19810514)

# ABSTRACT

PURPOSE: To simplify a device for slanting a **tool** receiving cylinder by making a **guide** rack of a rack rod mesh with a circumferential track of a pinion provided on the rear end of the tool receiving cylinder in a tool storing magazine.

CONSTITUTION: A plurality of tool receiving cylinder 5 on the outer periphery of a rotary disk 4 of a tool storing magazine M are supported by a supporting shaft 6 to swing by about 90 deg. from horizontal position toward outer diameter perpendicularly to an index rotary shaft. Next, according to the action of a slanting device for the receiving cylinder 5, the disk 4 is rotated to index a tool T(sub 1) to be exchanged at tool exchanging position (b) while a piston rod 16 in a hydraulic cylinder 15 is accurately in the lower dead point (a) of stand-by position, and a guide rack 18 (having straight rack 17 in the central portion) of a rack rod 20 attached to the lower end of the piston rod is on the circumferential **track** of a **rotating** pinion 21. Thus, the **slanting** device for the receiving cylinder 5 can be simplified.

22/5/3 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

013100840 \*\*Image available\*\*

WPI Acc No: 2000-272711/200024

XRPX Acc No: N00-204312

**Support rail guide for machine tool moving part has a guide rail with a cassette moving on rotating support rollers**

Patent Assignee: FRANKE & HEYDRICH KG (FRAN-N)

Inventor: ENGELHAAF J; FRANKE H

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19940654	A1	20000323	DE 1040654	A	19990826	200024 B
DE 19940654	C2	20030515	DE 1040654	A	19990826	200333

Priority Applications (No Type Date): DE 1038724 A 19980826

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19940654	A1		8	F16C-029/04	
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DE 19940654	C2			F16C-029/04	
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Abstract (Basic): DE 19940654 A1

NOVELTY - A machine linear guide has a guide rail (1) with a cassette (3) moving on **rotating** support rollers (2). The rail has four roller **tracks** (4) which are arranged in pairs at 90 **degrees** to each other. The cassette has at least six supporting rollers. The roller track surface is prism-shaped or trapezoidal. The cross-sectional shape of the roller tracks is the same as that of the supporting rollers.

USE - Support rail **guide** for machine **tool** moving part.

ADVANTAGE - The guide combines wear-free characteristics with load-independent rolling resistance.

DESCRIPTION OF DRAWING(S) - The drawing shows a cross-sectional view of the bearing arrangement.

guard rail (1)  
support rollers (2)  
cassette (3)  
roller tracks (4)

pp; 08 DwgNo 1/6  
Title Terms: SUPPORT; RAIL; GUIDE; MACHINE; TOOL; MOVE; PART; GUIDE; RAIL;  
CASSETTE; MOVE; ROTATING; SUPPORT; ROLL  
Derwent Class: Q62  
International Patent Class (Main): F16C-029/04  
File Segment: EngPI

22/5/4 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

012674848 \*\*Image available\*\*  
WPI Acc No: 1999-480955/199941  
XRPX Acc No: N99-358239

**Adjustable saw line guide for portable circular saw**  
Patent Assignee: JONASSON R (JONA-I)  
Inventor: JONASSON R  
Number of Countries: 025 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 940218	A2	19990908	EP 99104137	A	19990302	199941 B
SE 9800719	A	19990907	SE 98719	A	19980306	199950
SE 515694	C2	20010924	SE 98719	A	19980306	200158

Priority Applications (No Type Date): SE 98719 A 19980306

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 940218	A2	E	9	B23Q-009/00	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
SE 9800719	A			B27G-005/02	
SE 515694	C2			B27G-015/02	

Abstract (Basic): EP 940218 A2

NOVELTY - An angle setting **guide** for circular **saw** (12) consists of a ruler for positioning against the plane edge of workpiece(4) and guide **fence** (3) articulatedly attached to the rule for **pivoting** between different desired cutting **angles** relative to the rule and to a marked point on the workpiece the angle adjustments made by cooperating slots one straight the other eliptically curved and the adjustment secured by screws and wing nuts.

USE - An adjustable fence to **guide** a portable circular **saw** to cut a workpiece to a desired angle particularly useful for end cross cutting boards and planks at various angles.

ADVANTAGE - Overcomes the difficulty experienced in prior art setting guides where due to the distance between the cutting point and fence being different with each angle making it impossible to mark the point and position the guide on it and adjust it to the desired angle.

DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of the device in operating mode

guide fence (3)  
workpiece (4)  
circular saw (12)  
pp; 9 DwgNo 2/6

Title Terms: ADJUST; SAW; LINE; GUIDE; PORTABLE; CIRCULAR; SAW  
Derwent Class: P56; P63  
International Patent Class (Main): B23Q-009/00; B27G-005/02; B27G-015/02  
File Segment: EngPI

22/5/5 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010575677  
WPI Acc No: 1996-072630/199608  
XRPX Acc No: N96-060961

**Drilling tool of femur - has drill guide attached to slide block so that it is directed towards extended direction of gauge plate by lever mechanism**

Patent Assignee: NAKASHIMA PROPELLER KK (NAKA-N)  
Number of Countries: 001 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7328026	A	19951219	JP 94145566	A	19940603	199608 B
JP 2931206	B2	19990809	JP 94145566	A	19940603	199937

Priority Applications (No Type Date): JP 94145566 A 19940603

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7328026	A		5	A61B-017/56	
JP 2931206	B2		5	A61B-017/16	Previous Publ. patent JP 7328026

Abstract (Basic): JP 7328026 A

The femur has front and back planes held by a base plate formed at a lower end of a frame and a gauge plate. A **drill guide** is attached to the slide block so that it is directed towards an extended direction of the gauge plate by a lever mechanism. When an up-to-down position of the gauge plate is changed, an up-to-down position of the **drill guide** is changed according to a ratio of a length between the base plate and the **drill guide** against a length between the base plate and the gauge plate.

Then the gauge plate can be rotated to right and left directions against the slide block. The **drill guide** interlocks the **gauge** plate and is **rotated** to right and left directions by the same **angle**

USE - For providing a drilling tool of a femur which can perform a positioning of a drill automatically.

Dwg:0/6

Title Terms: DRILL; TOOL; FEMUR; DRILL; GUIDE; ATTACH; SLIDE; BLOCK; SO; DIRECT; EXTEND; DIRECTION; GAUGE; PLATE; LEVER; MECHANISM

Derwent Class: P31; P32

International Patent Class (Main): A61B-017/16; A61B-017/56

International Patent Class (Additional): A61F-002/38; A61F-002/46

File Segment: EngPI

22/5/8 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009504446 \*\*Image available\*\*  
WPI Acc No: 1993-197982/199325  
XRPX Acc No: N93-152321

**Jig for positioning holes for screw to repair fractured femur - has guide holes set in required position and angle and has lug with slot for bolt to attach bracket**

Patent Assignee: PENNIG D (PENN-I); PENNING D (PENN-I)  
Inventor: PENNIG D; PENNING D  
Number of Countries: 023 Number of Patents: 013

# Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 4141153	A1	19930617	DE 4141153	A	19911213	199325	B
WO 9311713	A1	19930624	WO 92DE1043	A	19921214	199326	
DE 4141153	C2	19930916	DE 4141153	A	19911213	199337	
AU 9331558	A	19930719	AU 9331558	A	19921214	199344	
ZA 9210046	A	19931027	ZA 9210046	A	19921228	199348	N
NO 9400347	A	19940202	WO 92DE1043	A	19921214	199416	
			NO 94347	A	19940202		
US 5346496	A	19940913	US 93106223	A	19930813	199436	
EP 616511	A1	19940928	WO 92DE1043	A	19921214	199437	
			EP 93900080	A	19921214		
JP 7501727	W	19950223	WO 92DE1043	A	19921214	199517	
			JP 93510517	A	19921214		
AU 657830	B	19950323	AU 9331558	A	19921214	199519	
EP 616511	B1	19970305	WO 92DE1043	A	19921214	199714	
			EP 93900080	A	19921214		
DE 59208148	G	19970410	DE 508148	A	19921214	199720	
			WO 92DE1043	A	19921214		
			EP 93900080	A	19921214		
ES 2099935	T3	19970601	EP 93900080	A	19921214	199729	

Priority Applications (No Type Date): DE 4141153 A 19911213; ZA 9210046 A 19921228

Cited Patents: CH 248631; EP 514662; EP 59044; EP 95296; US 4911153

## Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4141153	A1		4	A61B-017/58	
WO 9311713	A1 G	15		A61B-017/56	
Designated States (National): AU CA JP NO US					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
DE 4141153	C2		4	A61B-017/58	
AU 9331558	A			A61B-017/56	Based on patent WO 9311713
ZA 9210046	A	13		A61B-000/00	
US 5346496	A		5	A61B-017/56	
EP 616511	A1 G	15		A61B-017/56	Based on patent WO 9311713
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
JP 7501727	W		1	A61B-017/16	Based on patent WO 9311713
AU 657830	B			A61B-017/56	Previous Publ. patent AU 9331558
					Based on patent WO 9311713
EP 616511	B1 G	5		A61B-017/56	Based on patent WO 9311713
Designated States (Regional): AT BE CH DE DK ES FR GB IT LI LU NL PT SE					
DE 59208148	G			A61B-017/56	Based on patent EP 616511
					Based on patent WO 9311713
ES 2099935	T3			A61B-017/56	Based on patent EP 616511
NO 9400347	A			A61B-017/56	

## Abstract (Basic): DE 4141153 A

The screw holes are formed by a drill bit (15) which is positioned by a jig (5) which has guide holes set in the required position and at the required angle. The jig is in the form of a rectangular block with a lug (11) projecting from its upper surface.

The lug has an elongated hole for a bolt which attaches an L-shaped bracket (6) to the jig. The outer end of the horizontal arm is supported on the upper end of the pin (1) so that the jig is held in the correct position relative to the pin.

ADVANTAGE - The screws are correctly positioned so that they avoid the pin in the medulla cavity.

Dwg.1/2

Title Terms: JIG; POSITION; HOLE; SCREW; REPAIR; FRACTURE; FEMUR; GUIDE;  
HOLE; SET; REQUIRE; POSITION; ANGLE; LUG; SLOT; BOLT; ATTACH; BRACKET  
Derwent Class: P31  
International Patent Class (Main): A61B-000/00; A61B-017/16; A61B-017/56;  
A61B-017/58  
International Patent Class (Additional): A61B-017/16  
File Segment: EngPI

22/5/10 (Item 8 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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009066467 \*\*Image available\*\*  
WPI Acc No: 1992-193865/199224  
XRPX Acc No: N92-146434

**Spiral- tool guide equipment in grinding machine - has templates  
turning with spindle and adjusting in two coordinates**

Patent Assignee: NEUSON OELFELDSCHIEBER GMBH (NEUS-N)

Inventor: TRAUSNIGG K

Number of Countries: 011 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 489708	A1	19920610	EP 91890297	A	19911205	199224 B
EP 489708	B1	19940720	EP 91890297	A	19911205	199428
DE 59102253	G	19940825	DE 502253	A	19911205	199433
			EP 91890297	A	19911205	
ES 2057848	T3	19941016	EP 91890297	A	19911205	199442
AT 9002465	A	19960215	AT 902465	A	19901206	199612

Priority Applications (No Type Date): AT 902465 A 19901206

Cited Patents: FR 1323954; FR 2144284; US 2929288; US 3339315; US 4005551

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 489708	A1	G	9	B24B-017/02	
Designated States (Regional): BE CH DE ES FR GB IT LI NL SE					
EP 489708	B1	G	9	B24B-017/02	
Designated States (Regional): BE CH DE ES FR GB IT LI NL SE					
DE 59102253	G			B24B-017/02	Based on patent EP 489708
ES 2057848	T3			B24B-017/02	Based on patent EP 489708
AT 9002465	A			B24B-017/02	

Abstract (Basic): EP 489708 A

The equipment secures and **guides** spiral **tools** such as twist **drills** in a grinding machine, having a cross-slide positioning the bearings of a spindle (8) with chuck for the tool in relation to the grinding tool. A geared motor adjusts the **angle** through which the spindle is **turned**. **Templates** (23, 23a) **turning** with the spindle provided precision adjustment of it in two coordinates, particularly by turning the bearings on the slide, having cams matching the tool periphery, while copying mechanisms work against the templates, their velocity ratios for the two coordinates being separately adjustable.

Sets of templates can be provided for different tools, each being adjustable into the working position. Between the chuck (17) and the driving member for the templates on the motor the spindle is divided by a clutch (20), whose halves (21, 22) engage together in each of the relative angular positions.

ADVANTAGE - Simplicity and ease of use, no re-clamping being necessary during machining.

Dwg.2/2

Title Terms: SPIRAL; TOOL; GUIDE; EQUIPMENT; GRIND; MACHINE; TEMPLATE; TURN

; SPINDLE; ADJUST; TWO; COORDINATE  
Derwent Class: P61  
International Patent Class (Main): B24B-017/02  
International Patent Class (Additional): B24B-003/24  
File Segment: EngPI

22/5/12 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008300431 \*\*Image available\*\*  
WPI Acc No: 1990-187432/199025  
XRPX Acc No: N90-145760

**Saw template system for orthopaedic surgery - uses two different, hollow cylindrical templates with differently aligned saw gaps**  
Patent Assignee: MECRON MEDIZINISCHE PROD GMBH (MECR-N); SCHMIDT J (SCHM-I)  
Inventor: SCHMIDT J  
Number of Countries: 014 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 374086	A	19900620	EP 89730218	A	19891207	199025 B
DE 3842645	A	19900628	DE 3842645	A	19881214	199027
CA 2005464	A	19900614				199035
US 5049149	A	19910917	US 89448094	A	19891212	199140

Priority Applications (No Type Date): DE 3842645 A 19881214  
Cited Patents: CH 511016; DE 3211153; US 4718413; WO 8701579  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 374086	A				

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI NL SE

Abstract (Basic): EP 374086 A

Thee template system has first template with a concave surface to be placed against the femur, with the **saw guide** slot extending at right **angles** to the fumur shaft **axis**. The femur is cut through, using this first **template** which is then removed.

A second template of similar shape is then placed in position. It has a **saw guide** slot (13) which is straight on one side of the template body, but inclined to the plane of the first template slot by 6 deg. The second slot is curved on the opposite face of the template and is used to cut the bone to the required shape.

USE/ADVANTAGE - For inter trochanteric osteotomy, with improved prestress face adjustment.

Dwg.2d/3

Title Terms: SAW; TEMPLATE; SYSTEM; ORTHOPAEDIC; SURGICAL; TWO; HOLLOW; CYLINDER; TEMPLATE; ALIGN; SAW; GAP  
Derwent Class: P31; P34  
International Patent Class (Additional): A61B-017/14; A61N-001/30  
File Segment: EngPI

22/5/13 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007490591  
WPI Acc No: 1988-124524/198818  
XRPX Acc No: N88-094390



**Drilling jig bush - has guide shank interacting with central hole of machined item**

Patent Assignee: BIRYUKOV V D (BIRY-I)

Inventor: EROSHENKO S F; SUKHOV A I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 705747	A	19871023	SU 2573901	A	19780130	198818 B

Priority Applications (No Type Date): SU 2573901 A 19780130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 705747	A		4		

Abstract (Basic): SU 705747 A

The jig comprises cylindrical casing (1) of the bush with a collar (2) and a guide shank (3). An opening (4) is made in the casing (1) and the shank (3) for **guiding the drill** (5) whose axis makes an **angle** alpha with the **axis** of the bush. At the end of the **jig bush** facing the machine item (6) a recess (7) of dia. 'D' is made which encloses the positioning zone of the machined item. The jig bush is fitted in the casing (8) via spline key (9). USE/ADVANTAGE - Auxiliary drilling guide equipment. Incorporation of the shank provides extra guidance from the tool and consequently more precise drilling. Bul.39/23.10.87 (4pp Dwg.No.1/5)

Title Terms: DRILL; JIG; BUSH; GUIDE; SHANK; INTERACT; CENTRAL; HOLE; MACHINING; ITEM

Derwent Class: P54

International Patent Class (Additional): B23B-049/02

File Segment: EngPI

**22/5/15 (Item 13 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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004113046

WPI Acc No: 1984-258587/198442

XRPX Acc No: N84-193256

**Device for guiding saw cuts - comprises central template, with end faces providing angled saw guides , which is clamped to board edge**

Patent Assignee: GLASGO M L (GLAS-I)

Inventor: GLASGO M L

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2137930	A	19841017	GB 847746	A	19840326	198442 B
US 4531559	A	19850730	US 84586873	A	19840307	198533
GB 2137930	B	19870916				198737

Priority Applications (No Type Date): US 84586873 A 19840307; US 83480890 A 19830331

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2137930	A		9		

Abstract (Basic): GB 2137930 A

The **saw guide** and marking template is for marking and cutting pin and tail face cuts, required in making dovetail joints. A central template, with end faces (50,52) providing angled **saw guides** , is

clamped to the edge of the board to be worked. The **angled saw guides** can be repositioned by either **rotating** them about the end of its central **template**, or inverting the entire device.

Board engaging reference channels are parallel and lie back-to-back. Each channel has a bottom member which rests lengthwise along the edge of the board. The **guide** is orientated to **guide** a **saw** for cutting in a plane obliquely inclined to a plane orthogonal to the original plane.

2/11

Title Terms: DEVICE; GUIDE; SAW; CUT; COMPRISE; CENTRAL; TEMPLATE; END; FACE; ANGLE; SAW; GUIDE; CLAMP; BOARD; EDGE

Derwent Class: P63

International Patent Class (Additional): B27F-001/08; B27G-005/02

File Segment: EngPI

22/5/16 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003931507

WPI Acc No: 1984-077051/198413

XRPX Acc No: N84-057535

**Hand-held crimping tool or press - has two pivoted handles, linearly-moving pressure faces and straight guide for jaw support**

Patent Assignee: WEIDMULLER C A GMBH (WEID-N)

Inventor: UNDIN H; WIENER H

Number of Countries: 009 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 103319	A	19840321	EP 83201163	A	19830805	198413 B
JP 59078486	A	19840507	JP 83164259	A	19830908	198424
US 4542668	A	19850924	US 83529968	A	19830907	198541
EP 103319	B	19860604				198623
DE 3363930	G	19860710				198629

Priority Applications (No Type Date): SE 825127 A 19820909

Cited Patents: GB 644905; US 2218313; US 2312425; US 2752676; US 2769359; US 811283; DE 2438629; US 4323291

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 103319	A	G	14		
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Designated States (Regional): CH DE FR GB IT LI SE

EP 103319	B	G			
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Designated States (Regional): CH DE FR GB IT LI SE

Abstract (Basic): EP 103319 A

The **tool** includes a **guide** which lies between the pivot point (13) of the second handle (12) and the free ends (11b,12b) of both handles. The guide rests on a unit (100) comprising a part (10) and the first handle connected to that part.

The jaw support and the pivoted second handle have contact faces (12c') that cooperate. The jaw support has a U-shaped cross-section and its limbs envelope the part, which has a window (106) into which the jaw support passes. An advantage lies in the two pressure faces moving linearly.

1/5

Title Terms: HAND; HELD; CRIMP; TOOL; PRESS; TWO; PIVOT; HANDLE; LINEAR; MOVE; PRESSURE; FACE; STRAIGHT; GUIDE; JAW; SUPPORT

Derwent Class: P62; V04; X12

International Patent Class (Additional): B25B-007/00; B25B-009/04;  
H01R-043/00  
File Segment: EPI; EngPI

22/5/17 (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003715724  
WPI Acc No: 1983-711907/198329  
XRPX Acc No: N83-123636

**Miter box for portable power saw - has two parallel spaced guide rail mechanisms to control workpiece width adjustment**

Patent Assignee: BLANCHETTE R (BLAN-I)  
Inventor: BLANCHETTE R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
CA 1148069 A 19830614 198329 B

Priority Applications (No Type Date): CA 375077 A 19810409  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
CA 1148069 A 8

Abstract (Basic): CA 1148069 A

The box has at one of the longitudinal edges of the base, a first guide rail, the latter being spaced a certain distance above the base to provide room for a piece of wood or board to be sawed to pass thereunder. Upraising mechanisms are provided at both opposite ends of this first guide rail to maintain the latter in rigid raised position.

A second guide rail traverse the central portion of the base in parallel spaced-apart relationship to the first guide rail. The second rail is also spaced above the base. A mechanism at both its opposite ends moves the second rail laterally, either towards or away from the first rail, but always in parallel relationship. The **guide** of a portable circular power **saw** slides on the two rails. Thus, the mechanism described above constitute an adjustment to accommodate the varying **guide** widths of circular **saws** of different makes. A fence is pivotally secured at one of its ends to the base and is adapted to pivot through an arc of at least 60 deg. to properly align a board to be cut at a desired **angle**, which in **turn** has a lock for securing the **fence** at a desired **angle** to the base.

1/3

Title Terms: MITRE; BOX; PORTABLE; POWER; SAW; TWO; PARALLEL; SPACE; GUIDE; RAIL; MECHANISM; CONTROL; WORKPIECE; WIDTH; ADJUST  
Derwent Class: P63  
International Patent Class (Additional): B27G-005/02  
File Segment: EngPI

22/5/18 (Item 16 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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002390212  
WPI Acc No: 1980-K6682C/198044

**Angle indicating attachment for drills - has parallel, angle gauge pivot rods projecting onto drilling surface to indicate horizontal**

angle and protractor for vertical angle

Patent Assignee: CONWAY C L (CONW-I)

Inventor: CONWAY C L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4227839	A	19801014				198044 B

Priority Applications (No Type Date): US 78964786 A 19781129

Abstract (Basic): US 4227839 A

The device is attached to drills, esp. power drills, and indicates the angular relation of the rotational axis of the drill to a surface being drilled. It also permits the **drill** operator to **guide** the **drill** in accurately pointing the axis of the drill bit at any angle up to about 45 deg. out of square, or plumb to about 45 deg. out of plumb.

The vertical angle indicator includes a protractor and monovia level indicator held by magnetic mounting to a magnetic mounting plate. The horizontal **angle** indicator includes a pair of parallel forwardly extending **angle gauge pivot** rods held by an elongate body in spaced relationship for contacting the drilling surface.

Title Terms: ANGLE; INDICATE; ATTACH; DRILL; PARALLEL; ANGLE; GAUGE; PIVOT; ROD; PROJECT; DRILL; SURFACE; INDICATE; HORIZONTAL; ANGLE; PROTRACTOR; VERTICAL; ANGLE

Derwent Class: P54

International Patent Class (Additional): B23B-039/00; B23B-049/00

File Segment: EngPI

22/5/19 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002117801

WPI Acc No: 1979-D7724B/197917

**Reciprocating ball machine tool guide way - has prismatic upper and lower tracks with different angles to reduce intermediate ball separator movement**

Patent Assignee: GRINDING EQUIP DES BUR (GRIM )

Inventor: BOLOTINSKI L S; PALEY S Y U

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 611042	A	19780512				197917 B

Priority Applications (No Type Date): SU 2386142 A 19760712

Abstract (Basic): SU 611042 A

A reciprocating guide consists of a moving (1) and fixed (2) element such as a tailstock and bed with prismatic channels (3) for balls (4) and a separator (5).

The guide is designed for reduced separator movement y having the angle alpha between the perpendicular to the surface of one of the **tracks** and the channel's **axis** of symmetry (7) greater than the corresponding **angle** beta for the other track.

As a result, the distance h1 from the centre of the ball to a line joining the points of contact between the ball and one channel is smaller than the distance h2 from the centre of the ball to a line joining similar points in the other channel, and the movement of the separator during the guide's operation is reduced

Title Terms: RECIPROCAL; BALL; MACHINE; TOOL; GUIDE; WAY; PRISM; UPPER;  
LOWER; TRACK; ANGLE; REDUCE; INTERMEDIATE; BALL; SEPARATE; MOVEMENT  
Derwent Class: Q62  
International Patent Class (Additional): F16C-029/04  
File Segment: EngPI

22/5/21 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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001448427

WPI Acc No: 1976-B1315X/197606

**Mitering tool for frame construction - includes saw guide carried  
between angularly adjustable angle tracing arms**

Patent Assignee: FUSCO P P (FUSC-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 982030	A	19760120				197606 B

Priority Applications (No Type Date): CA 160658 A 19730105

Abstract (Basic): CA 982030 A

The tool consists of a riding block (11) clamped to a work table and horizontal threaded rod (13) screwed through the riding block. The rod has a crank handle (19) at a rear end and its forward end is attached to a vertical pivot pin (21) to which a forward end of a pair of expansion track channels (32) are pivoted, and which extend diagonally rearward to define the angle of the corner between them. Each channel has a longitudinal slot (34) in which a fulcrum pin is fitted, each fulcrum pin being mounted on one forward corner of the riding block. Support block (30) attached to the pivot pin are slidable along a track and carry a saw guide slot (31).

Title Terms: MITRE; TOOL; FRAME; CONSTRUCTION; SAW; GUIDE; CARRY; ANGULAR;  
ADJUST; ANGLE; TRACE; ARM

Derwent Class: P63

International Patent Class (Additional): B27G-000/01

File Segment: EngPI

22/5/22 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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001311013

WPI Acc No: 1975-K4934W/197538

**Electric hand saw guide - comprises mitre gauge pivotally  
attached to guide bar dovetailed in base**

Patent Assignee: DALTON H L (DALT-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3903600	A	19750909				197538 B

Priority Applications (No Type Date): US 74525585 A 19741120

Abstract (Basic): US 3903600 A

This device consists primarily of a dove tailed guide bar slidable within the base plate of an electric saw. The device includes an

adjustable mitre gauge, a spring with a steel point for keeping the saw from vibrating off mark. A clamp is secured on the end of the guide bar for the purpose of securing the guide bar to the material being sawed and the device further includes angle adjustment for angular saw cuts in relation to the vertical. The **mitre gauge** (12) is **pivotaly** attached to the guide bar (13) such that by holding its flat face (14a) against the material, after having set the correct angle of cut, the base and **saw** can be moved along the **guide** to cut at the correct angle.

Title Terms: ELECTRIC; HAND; SAW; GUIDE; COMPRISE; MITRE; GAUGE; PIVOT;  
ATTACH; GUIDE; BAR; DOVETAIL

Derwent Class: P54

International Patent Class (Additional): B23D-047/02; B23D-051/02

File Segment: EngPI

?

25/5/12 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008462433 \*\*Image available\*\*  
WPI Acc No: 1990-349433/199047  
XRPX Acc No: N90-266888

**Template for mitring or oblique cutting wooden pieces - consists of base board surmounted by movable cross-rail which acts as guide for saw**

Patent Assignee: LANG H (LANG-I)

Inventor: LANG H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3915376	A	19901115	DE 3915376	A	19890511	199047 B

Priority Applications (No Type Date): DE 3915376 A 19890511

Abstract (Basic): DE 3915376 A

The template is used for processing work pieces. It is esp. for oblique or angle cutting or mitring profiled wooden pieces or panels or battens, and cutting doors or similar objects to length by using hand circular saw. The template consists of a **rectangular** base board (1) with battens (2a,2b) planted along its long edges, surmounted by a movable cross rail (3) on which a guide batten (4) is planted, and a cross batten is fixed to the underside of its short edge.

USE/ADVANTAGE - The **template** is **pivoted** at one end of the cross rail and can be moved through different angles and pegged where required. (7pp Dwg.No.1/4)

Title Terms: TEMPLATE; MITRE; OBLIQUE; CUT; WOOD; PIECE; CONSIST; BASE; BOARD; SURMOUNTED; MOVE; CROSS; RAIL; ACT; GUIDE; SAW

Derwent Class: P63

International Patent Class (Additional): B27G-005/00

File Segment: EngPI

25/5/13 (Item 12 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008439299 \*\*Image available\*\*  
WPI Acc No: 1990-326299/199043  
XRPX Acc No: N90-249528

**Suspension arrangement for stubble clearance saw - has hand guide tensioned between two plates provided with tracks**

Patent Assignee: ELECTROLUX AB (ELEX )

Inventor: NASLUN U W

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SE 8900741	A	19900904	SE 89741	A	19890303	199043 B
SE 465069	B	19910722				199132
US 5090839	A	19920225	US 90518085	A	19900502	199211

Priority Applications (No Type Date): SE 89741 A 19890303

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5090839	A		3		

Abstract (Basic): SE 8900741 A

The tensioning of the hand guide between the two **tracked** plates permits it to be **pivoted** between work and transport positions. The plates have **rectangular**, arc-shaped tracks (21,22) through which screws (19,20) pass, and which are threaded into the body of the suspension device.

USE - To suspend a hand **guide** for a stubble clearance **saw**.  
(Dwg.No.2)

Title Terms: SUSPENSION; ARRANGE; STUBBLE; CLEARANCE; SAW; HAND; GUIDE;  
TENSION; TWO; PLATE; TRACK  
Derwent Class: P62; P63; Q61  
International Patent Class (Additional): B25F-005/00; B27B-009/00;  
F16B-007/04  
File Segment: EngPI

25/5/17 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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004099934

WPI Acc No: 1984-245475/198440

XRPX Acc No: N84-183651

**Jig for holding groove cutting tool - comprises two mutually pivoted frameworks, one carrying tool and other having guide surfaces engageable with workpiece**

Patent Assignee: VENTROLIA LTD (VENT-N)  
Inventor: LEIGHTON J M H; TUNNICLIFF R W  
Number of Countries: 001 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2137137	A	19841003	GB 838175	A	19830324	198440 B
GB 2137137	B	19861203				198649

Priority Applications (No Type Date): GB 838175 A 19830324

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2137137	A		5		

Abstract (Basic): GB 2137137 A

The **jig** comprises two quadrant shaped frameworks (10,11) **pivoted** together. One framework (11) carries a groove cutting tool (15) to cut a groove in, for example, a rebate surface of a **frame** of a wooden window having two further mutually inclined surfaces. The other framework (10) carries two guide surfaces (25,29) for engagement with the two mutually inclined surfaces of the **frame**.

The frameworks can be moved to an operative position in which the cutter of the tool is held orientated at the required angle relative to the guide surfaces so that, with the cutting **tool** operating, the **guide** surfaces can be slid along the **frame** surfaces to cut the required groove at the correct angle.

1/1

Title Terms: JIG; HOLD; GROOVE; CUT; TOOL; COMPRISE; TWO; MUTUAL; PIVOT;  
FRAMEWORK; ONE; CARRY; TOOL; GUIDE; SURFACE; ENGAGE; WORKPIECE  
Index Terms/Additional Words: WOOD; WINDOW  
Derwent Class: P63  
International Patent Class (Additional): B27F-001/04  
File Segment: EngPI

25/5/22 (Item 21 from file: 350)



DIALOG(R) File 350:Derwent WPIX  
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001746028

WPI Acc No: 1977-J2531Y/197740

**Power tool track facilitating straight cuts in wood - has guide raised above frame to maintain tool in alignment to cut predetermined longitudinal path**

Patent Assignee: FLANDERS R D (FLAN-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4050340	A	19770927				197740 B

Priority Applications (No Type Date): US 75599123 A 19750725; US 74454980 A 19740326

Abstract (Basic): US 4050340 A

A power tool track system comprises a support substructure. A power tool is supported above the substructure in a horizontal plane w.r.t. the vertical **axis** of the substructure. The tool **track** is adjustably mounted on the support for angular movement in a horizontal plane w.r.t. the vertical axis of the substructure.

A longitudinally extending base and adjustable **frame** provides a support surface for power tools. The **frame** has an outer edge forming a longitudinally extending straight edge to maintain accuracy of **tool** use. A longitudinally extending **guide** is raised above the surface of the **frame** to maintain the tool in proper alignment.

Title Terms: POWER; TOOL; TRACK; FACILITATE; STRAIGHT; CUT; WOOD; GUIDE; RAISE; ABOVE; **FRAME** ; MAINTAIN; TOOL; ALIGN; CUT; PREDETERMINED; LONGITUDE; PATH

Derwent Class: P63

International Patent Class (Additional): B27B-009/04

File Segment: EngPI

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28/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012880165 \*\*Image available\*\*

WPI Acc No: 2000-051998/200004

XRPX Acc No: N00-040548

**Miter guide for use to guide table saws and other cutting or  
shaping tools such as used in woodworking**

Patent Assignee: OSBORNE D H (OSBO-I)

Inventor: OSBORNE D H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5979283	A	19991109	US 9632699	A	19961211	200004 B
			US 97925712	A	19970909	

Priority Applications (No Type Date): US 9632699 P 19961211; US 97925712 A  
19970909

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5979283	A	11	B27B-027/06	Provisional application US 9632699

Abstract (Basic): US 5979283 A

NOVELTY - The cutting table has a groove (12) **parallel** to the cutting blade. In the groove is a guide bar (1) which can slide or be locked in position. A **fence** rail (2) is **pivoted** at one end on the guide bar (10) and is connected at its other end to a telescopic tube (3). The tube is adjustable in length and may be locked (6), it pivots (9) also on the guide bar at some distance from the **fence pivot**

USE - To **guide** table **saws** and other cutting or shaping tools such as used in woodworking

ADVANTAGE - The guide is broad based and gives a stable accurate guide that is safe and simple to use

DESCRIPTION OF DRAWING(S) - Perspective view of the cutting table

Guide bar (1)

Fence rail (2)

Telescopic tube (3)

Tube length adjustment lock (6)

Tube pivot (9)

Guide bar pivot (10)

pp; 11 DwgNo 3/5

Title Terms: MITRE; GUIDE; GUIDE; TABLE; SAW; CUT; SHAPE; TOOL; WOODWORK  
Derwent Class: P63

International Patent Class (Main): B27B-027/06

International Patent Class (Additional): B27B-025/10

File Segment: EngPI

28/5/2 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012850799 \*\*Image available\*\*

WPI Acc No: 2000-022631/200002

XRPX Acc No: N00-016849

**Pivoted fence with locating post**

Patent Assignee: MINARDI J E (MINA-I)

Inventor: MINARDI J E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5988242	A	19991123	US 97966628	A	19971110	200002 B
			US 99268094	A	19990313	

Priority Applications (No Type Date): US 99268094 A 19990313; US 97966628 A 19971110

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5988242	A		16	B27B-005/02	CIP of application US 97966628
					CIP of patent US 5881785

Abstract (Basic): US 5988242 A

NOVELTY - A **pivot** (12a) connects **fence** unit (16) and base unit from locating stop post (13a). The central portion of **fence** unit extends across central aperture and intersects the **axis of rotation** of cutting tool (15). The **fence** unit swings about the **pivot** connection to contact locating stop post unit (13b).

DETAILED DESCRIPTION - The fence unit has a curved slot **parallel** to the table. A follower extending from the table and receivable in the slot cooperates with the pivot connection to produce face centered motion at different spacings, by using spacer-like gage plates of the fence face (17) from cutting **tool**. Workpiece are **guide** along the fence face beyond the cutting tool by the movement of fence face unit to a predetermined distance from the locating stop unit. A set up gage plate having incrementally spaced holes for receiving the setup post can be fitted in place of stop unit.

USE - For cutting wood, metal or other materials.

ADVANTAGE - Other than the router table, **pivoted fence** is used with various other cutting tools with fixed center such as drills, shapers and milling machines. Since fence is provided for table or portable tool produces easy to use fence setting with respect to center of cutting tool such as router bit.

DESCRIPTION OF DRAWING(S) - The figure shows post arrangement of two posts together with **fence** **pivotally** attached to the table.

Pivot (12a)  
Stop post (13a,13b)  
Cutting tool (15)  
Fence unit (16)  
Fence face (17)  
pp; 16 DwgNo 2/14

Title Terms: PIVOT; FENCE; LOCATE; POST

Derwent Class: P63

International Patent Class (Main): B27B-005/02

File Segment: EngPI

28/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010835902 \*\*Image available\*\*

WPI Acc No: 1996-332855/199633

XRPX Acc No: N96-280568

**Adjustable double fence router guide for guiding router on horizontal workpiece, used in woodworking - has fence track for holding fences, workpiece clamps for securing track to workpiece, fixed fence for defining one side of workpiece cuts and movable fence moving along track for defining variable cuts**

Patent Assignee: WHITNEY D (WHIT-I)

Inventor: WHITNEY D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5533556	A	19960709	US 95383307	A	19950203	199633 B

Priority Applications (No Type Date): US 95383307 A 19950203

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5533556	A		14	B27M-003/00	

Abstract (Basic): US 5533556 A

The guide has a horizontal, fence track attached to the workpiece, having two **fence** mounts each adapted to **pivotally** attach a **fence** to the **fence track**. One mount is a fixed mount in a fixed position on the fence track and the other mount being a movable mount on the fence track relative to the fixed fence mount.

There is a horizontal, fixed fence positioned on the workpiece upper surface **parallel** to the fixed fence, the movable **fence** defining another side of a workpiece cut and being **pivotally** attached to the **fence track** movable mount. There are two horizontal, adjustable, router stops, positioned over the workpiece, attached to the fence track.

ADVANTAGE - Provides device that will make multitude of different angled router cuts in workpieces of nearly unlimited size. Provides **router guide** which affixes to one side of workpiece, is adjustable to many different angles, is simple to use and adjust, is of small size, is readily portable, and is not limited to workpieces of certain size.

Dwg.1/12

Title Terms: ADJUST; DOUBLE; FENCE; ROUTER; GUIDE; GUIDE; ROUTER; HORIZONTAL; WORKPIECE; WOODWORK; FENCE; TRACK; HOLD; FENCE; WORKPIECE; CLAMP; SECURE; TRACK; WORKPIECE; FIX; FENCE; DEFINE; ONE; SIDE; WORKPIECE ; CUT; MOVE; FENCE; MOVE; TRACK; DEFINE; VARIABLE; CUT

Derwent Class: P63

International Patent Class (Main): B27M-003/00

International Patent Class (Additional): **B27C-005/00**

File Segment: EngPI

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41/5/3 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014131430 \*\*Image available\*\*

WPI Acc No: 2001-615641/200171

XRPX Acc No: N01-459214

**Adjustable router table jig , has a guide fence unit with two pivotally secured parallel runners which can slide in longitudinal guide grooves in the upper surface of the router table**

Patent Assignee: STOVER D A (STOV-I)

Inventor: STOVER D A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6305449	B1	20011023	US 2000573449	A	20000516	200171 B

Priority Applications (No Type Date): US 2000573449 A 20000516

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6305449	B1	11	B27M-001/00	

Abstract (Basic): US 6305449 B1

NOVELTY - The jig has a router table and a slidably coupled positioning apparatus. The router table has a table-top (103) and device ensuring the router's cutting bit extends upwardly through a central orifice. The upper surface of the **router** table has two longitudinal **guide** grooves (105a,105b) which are parallel to one another and equally spaced on opposite sides of the central orifice. The positioning apparatus has a guide **fence** (202) with two **pivotally** secured parallel runners. The runners slidably fit into the longitudinal guide grooves and allow the guide **fence** unit to **track** along the longitudinal **axis** of the tabletop.

DETAILED DESCRIPTION - The runners can selectively position the guide fence unit at one of a number of predetermined **angles** with respect to the base line on a graduated angular scale. A sighting aperture (240) in the forward leading edge of the guide fence unit provides the user with a line-of-sight to properly align the workpiece in relation to the router's cutting bit.

An INDEPENDENT CLAIM is given for a method of fabricating dovetail joinery using a router fixed to the router table.

USE - For selectively positioning and accurately aligning workpieces for precise cutting on a router table, especially for cutting of woodworking dovetail joints.

ADVANTAGE - Facilitates the fabrication of an unlimited- variety of dovetail joints without the using standardized template devices. Can support a workpiece on both sides of the router bit cutting edge, and can adjust the angular orientation of the guiding **fence** in relation to the **axis** of directional translation.

DESCRIPTION OF DRAWING(S) - The figure shows a front perspective view of the adjustable router table jig.

- table top (103)
- graduated scale (106)
- router support platform (110)
- router housing base (122)
- cutting bit (130)
- guide fence unit (202)
- base plate (210)
- vertical guide plate (220)
- cover shield (230)

sighting aperture (240)  
pp; 11 DwgNo 2/6  
Title Terms: ADJUST; ROUTER; TABLE; JIG; GUIDE; FENCE; UNIT; TWO; PIVOT;  
SECURE; PARALLEL; RUNNER; CAN; SLIDE; LONGITUDE; GUIDE; GROOVE; UPPER;  
SURFACE; ROUTER; TABLE  
Derwent Class: P63  
International Patent Class (Main): B27M-001/00  
File Segment: EngPI

41/5/16 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004043251  
WPI Acc No: 1984-188793/198430  
XRPX Acc No: N84-141253

**Pivot assembly for guide or marking tool - has two calibrated  
straight edges set at any desired angle by arcuate guide tracks**

Patent Assignee: VAN GORP K N (VGOR-I)  
Inventor: VANGORP K N  
Number of Countries: 013 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8402754	A	19840719	WO 84AU9	A	19840113	198430 B
AU 8424141	A	19840802				198442
JP 60500345	W	19850314	JP 84500512	A	19840113	198517
EP 163640	A	19851211				198550
US 4611407	A	19860916	US 84648157	A	19840904	198640

Priority Applications (No Type Date): AU 837586 A 19830113; AU 8424141 A  
19830111

Cited Patents: 1.Jnl.Ref; AU 8108475; CH 443704; CH 479048; DE 2554250; DE  
714159; DE 827300; FR 540435; SSR870311; US 1911045; US 2661034; US  
4004347

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 8402754	A	E 16		

Designated States (National): AU GB JP US

Designated States (Regional): AT BE CH DE FR GB LU NL SE

EP 163640	A	E
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Designated States (Regional): AT BE CH DE FR GB LI LU NL SE

Abstract (Basic): US 4611407 A

The appts. (10) comprises a stock (12) with a reference edge (31) alignable with a desired datum (36), a blade (13) with a sighting, guiding or marking edge (16). A semi-circular segment (18) is provided with **angle** indicia (19). The stock (12) is pivotally connected to the blade (13) so that the **angle** between the reference edge (31) and the sighting edge (16) may be adjusted to a predetermined setting. The pivot axis (9) of the stock (12) relative to the blade (13) is located at the intersection between the reference edge (31) and the sighting edge (16) at all relative angular settings between the stock (12) and the blade (13).

**Pivoting** of the stock and blade is effectuated by arcuate guide tracks on the stock (12) mating with corresponding depending flanges on the undersurface of segment (18). A slot (22) concentric with the guide tracks is provided in the segment (18), whereby lightening of the thumb wheel (24) clamps the segment (18) firmly against the upper surface (28) of the stock (12).

USE/ADVANTAGE - **Guide** or marking tools . Point of intersection

between reference line and guiding edge does not change when adjusted for different **angles** .

(6pp)

Title Terms: PIVOT; ASSEMBLE; GUIDE; MARK; TOOL; TWO; CALIBRATE; STRAIGHT; EDGE; SET; **ANGLE** ; ARCUATE; GUIDE; TRACK

Derwent Class: P56; P77; Q62; S02

International Patent Class (Additional): B23Q-009/00; B43L-007/06;

B43L-013/06; F16C-011/04; G01B-003/02; G01C-001/00

File Segment: EPI; EngPI

41/5/19 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003362968

WPI Acc No: 1982-M0993E/198237

Guide clamp for power saw - has C-shaped body with clamping with two-way pivot on guide track

Patent Assignee: GENGE C A (GENG-I)

Inventor: GENGE C A

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2094216	A	19820915	GB 829723	A	19810305	198237 B
GB 2094216	B	19840718				198429

Priority Applications (No Type Date): GB 829723 A 19810305

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2094216	A		8		

Abstract (Basic): GB 2094216 A

The clamp for **guiding** a power circular **saw** across a workpiece, has a C-shaped body (33). One side of the body has a clamping pad (45) and the other side has a track plate for sliding in a **track** . The **track** plate (39) is **rotatably** mounted so that the clamp can **rotate** about a first **axis** , and the side (134) on which the **track** plate is mounted is itself **rotatable** about a second **axis** perpendicular to the first axis, to provide a two-way swing of the clamp.

The C-shaped body has a tubular opening at right **angles** to the threaded opening, a trunnion passes through the tubular opening and an arm is fixed coaxially on the trunnion in coaxial rotatable abutting relationship with the tubular opening.

5/5

Title Terms: GUIDE; CLAMP; POWER; SAW; C-SHAPED; BODY; CLAMP; TWO; WAY; PIVOT; GUIDE; TRACK

Derwent Class: P62

International Patent Class (Additional): B25B-005/00

File Segment: EngPI

?

Set	Items	Description
S1	995249	TOOL? ? OR POWERTOOL? OR SAW? ? OR CHAINSAW? OR BACKSAW? OR BANDSAW? OR DRILL? ? OR SANDER? ? OR HACKSAW? OR JIGSAW? OR - POWERDRILL? OR ROUTER? OR SHAPER? OR LATHE OR LATHES OR POWER- ( ) PLANE? ? OR PLANER? OR JOINTER? OR MITERSAW? OR MITRESAW?
S2	556679	GUIDE? OR GUIDING
S3	2295600	PIVOT? OR ROTAT? OR TURN? OR AXIS OR REVOLV? OR REVOLUTION? OR SWIVEL? OR SPIN OR SPINS OR SPINN???
S4	576793	FENCE? OR TRACK? OR JIG OR JIGS OR TEMPLATE? OR GAUGE OR GAUGING
S5	2762878	PROTRACTOR? OR ANGLE? ? OR DEGREE? ? OR SLANT??? OR MITER? OR MITRE?
S6	1061219	PARALLEL? OR OPPOSIT? OR ALIGN?
S7	4391899	PY=2004:2005
S8	4186	S1(5N)S2
S9	12662	S3(10N)S4
S10	13	S8 AND S9
S11	8	RD (unique items)
S12	106747	S3 (10N) S5
S13	25	S8 AND S12
S14	25	S13 NOT S10
S15	18	RD (unique items)
S16	245	S2 AND S9
S17	114598	16 AND S5
S18	45	S16 AND S5
S19	45	S18 NOT (S10 OR S14)
S20	34	RD (unique items)
S21	30	S20 NOT S7
S22	838757	FRAME? ? OR SQUARE? OR RECTANG?
S23	2751	S1(5N)S22
S24	2	S23 AND S9
S25	26	S1 AND S22 AND S9
S26	26	S25 NOT (S10 OR S14 OR S19)
S27	21	RD (unique items)
S28	15	S27 NOT S7
S29	1697790	ATTACH? OR AFFIX? OR FIX??? OR CONNECT? OR FASTEN? OR SECURE?
S30	321	S3(5N)S4(5N)S29
S31	12	S30 AND S1
S32	9	RD (unique items)

? show files

File 8: Ei Compendex(R) 1970-2005/Aug W3  
(c) 2005 Elsevier Eng. Info. Inc.

File 111: TGG Natl. Newspaper Index(SM) 1979-2005/Aug 30  
(c) 2005 The Gale Group

File 583: Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group

File 34: SciSearch(R) Cited Ref Sci 1990-2005/Aug W4  
(c) 2005 Inst for Sci Info

File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

File 94: JICST-EPlus 1985-2005/Jul W1  
(c) 2005 Japan Science and Tech Corp(JST)

File 144: Pascal 1973-2005/Aug W3  
(c) 2005 INIST/CNRS

File 95: TEME-Technology & Management 1989-2005/Jul W4  
(c) 2005 FIZ TECHNIK

?



Set	Items	Description
S1	4808939	TOOL? ? OR POWERTOOL? OR SAW? ? OR CHAINSAW? OR BACKSAW? OR BANDSAW? OR DRILL? ? OR SANDER? ? OR HACKSAW? OR JIGSAW? OR - POWERDRILL? OR ROUTER? OR SHAPER? OR LATHE OR LATHES OR POWER- ( ) PLANE? ? OR PLANER? OR JOINTER? OR MITERSAW? OR MITRESAW?
S2	2165220	GUIDE? OR GUIDING
S3	6573244	PIVOT? OR ROTAT? OR TURN? OR AXIS OR REVOLV? OR REVOLUTION? OR SWIVEL? OR SPIN OR SPINS OR SPINN???
S4	3017176	FENCE? OR TRACK? OR JIG OR JIGS OR TEMPLATE? OR GAUGE OR GAUGING
S5	2018038	PROTRACTOR? OR ANGLE? ? OR DEGREE? ? OR SLANT??? OR MITER? OR MITRE?
S6	26072	S1(5N)S2
S7	52019	S3(10N)S4
S8	28	S6 (S) S7
S9	19	RD (unique items)
S10	670	S2 (S) S7
S11	67	S10 (S) S1
S12	41	S11 NOT S8
S13	30	RD (unique items)
S14	2564	S1 (S) S7
S15	1256	S1(10N)S7
S16	54	S15 (S) S5
S17	53	S16 NOT (S8 OR S12)
S18	42	RD (unique items)
S19	2477616	FRAME? ? OR SQUARE? OR RECTANG?
S20	998	S19(S)S7
S21	392	S19(10N)S7
S22	49	S21 (S) S1:S2
S23	41	S22 NOT (S8 OR S12 OR S17)
S24	32	RD (unique items)
S25	64716	S3(10N)S5
S26	2555	S25 (S) S4
S27	1020	S25 (10N) S4
S28	77	S27 (S) S1
S29	53	S28 NOT (S8 OR S12 OR S17 OR S23)
S30	43	RD (unique items)

? show files

File 16:Gale Group PROMT(R) 1990-2005/Aug 31  
(c) 2005 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2005/Aug 31  
(c)2005 The Gale Group

File 621:Gale Group New Prod.Annou. (R) 1985-2005/Aug 31  
(c) 2005 The Gale Group

File 9:Business & Industry(R) Jul/1994-2005/Aug 30  
(c) 2005 The Gale Group

File 47:Gale Group Magazine DB(TM) 1959-2005/Aug 31  
(c) 2005 The Gale group

File 141:Readers Guide 1983-2004/Dec  
(c) 2005 The HW Wilson Co

File 635:Business Dateline(R) 1985-2005/Aug 31  
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File 636:Gale Group Newsletter DB(TM) 1987-2005/Aug 31  
(c) 2005 The Gale Group

File 610:Business Wire 1999-2005/Aug 31  
(c) 2005 Business Wire.

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 613:PR Newswire 1999-2005/Aug 31

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File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 484:Periodical Abs Plustext 1986-2005/Aug W4  
(c) 2005 ProQuest

18/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

11674237 Supplier Number: 125645541 (USE FORMAT 7 FOR FULLTEXT)  
**Miter saws. (Product focus: corded tools)**  
Tools of the Trade, v12, n6, p96(1)  
Nov-Dec, 2004  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 130

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

Makita's new 12-inch sliding compound **miter** saws, models LS1214 and LS1214F, feature a 4 1/2-inch cutting depth; precision bevel cutting up to 45 **degrees** left and right and a positive stop at 33.9 **degrees** left; **miter** capacity of 47 **degrees** left and 52 **degrees** right; dual rails with linear ball bearings; a 15-amp motor that delivers 3,200 rpm; soft-start; and electronic speed control. The **tools** feature a **pivoting fence** and include a larger base to accommodate a variety of materials. They weigh 52.5...

18/3,K/3 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv..

09942534 Supplier Number: 89514259 (USE FORMAT 7 FOR FULLTEXT)  
**Craftsman air drive 10mm belt sander. (Tool of the month).**  
Barnes, Dan  
European Car, v33, n9, p160(1)  
Sept, 2002  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; General  
Word Count: 612

... they can be run at high loads indefinitely.  
The belt head on the Craftsman 10mm **sander** can be **rotated** through 180 **degrees** to conveniently reach any work piece. Belt **tracking** is easy to adjust, and there is a rubber flap to protect hands from grit...

18/3,K/4 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

09079734 Supplier Number: 79167269 (USE FORMAT 7 FOR FULLTEXT)  
**No new spin on hand drills.**  
American Machinist, v145, n10, p70  
Oct, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 47

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...drills spin and push back into the chuck. To solve this problem, I clamp my **drills** in a **rotating jig** and grind small flats at 0 ( **degrees** ), 120 ( **degrees** ), and 240 ( **degrees** ).

18/3,K/5 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

08839830 Supplier Number: 76801074 (USE FORMAT 7 FOR FULLTEXT)  
**practical ideas.**  
American Machinist, v145, n7, p90  
July, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 472

... the template parallel to the machine ways with part of it extending out at 90 ( **degrees** ) to the machine **axis** . This perpendicular portion of the **template** causes the **tool** to immediately retract when the stylus contacts it. For an NPT thread, the stylus follows a template with a 2 ( **degrees** ) taper and a perpendicular. As the tool retracts from the cut, there is plenty of...

18/3,K/8 (Item 8 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

08092131 Supplier Number: 67462287 (USE FORMAT 7 FOR FULLTEXT)  
**Two Tools to Cut Through the Gift Givers' Dilemma Like Butter; One for the Thrifty, One for the Extravagant.**  
PR Newswire, p7817  
Nov 30, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 419

... BT3000SX, combines the performance of a stationary tool with the convenience of a benchtop table **saw** . It features a triple **axis** , self-aligning rip- **fence** that locks the **fence** into alignment with the blade automatically. The sliding **miter** table with oversized fence promotes precision by making in-feed smooth and easy. An innovative...

18/3,K/12 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

0017746398 SUPPLIER NUMBER: 126530645 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Alignment Kit for keeping tools straight.(Machinery & Processing)(Brief Article)**  
Blanco, Alice  
Plastics Engineering, 60, 12, 38(1)  
Dec, 2004  
DOCUMENT TYPE: Brief Article ISSN: 0091-9578 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 161 LINE COUNT: 00017

TEXT:

...other planar equipment, and a precise 90(degrees) beam bender squares machinery, checks the vertical **axis** of machine **tools** , and

monitors parallelism of rails, **tracks** , and rollers.

**18/3,K/13 (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

0017590223 SUPPLIER NUMBER: 124257236 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Universal Alignment kit.(Products)**

Machine Design, 76, 20, 99(1)

Oct 21, 2004

ISSN: 0024-9114 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 201 LINE COUNT: 00020

TEXT:

...equipment. A precise 90(degrees) beam bender is used for squaring machinery, checking the vertical **axis** of machine **tools** , and monitoring parallelism of rails, **tracks** , and rollers. A heavy-duty tripod supports the laser and several mounting fixtures for versatility...

**18/3,K/14 (Item 3 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

0017389068 SUPPLIER NUMBER: 121878179 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Jointer.(Product news: equipment)**

Wood & Wood Products, 109, 9, 94(1)

August, 2004

ISSN: 0043-7662 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 92 LINE COUNT: 00010

... fence design that can be turned using a hand wheel, tilting the fence at +/- 45( **degrees** ) and 90( **degrees** ). Powermatic says the parallelogram design keeps the table close to the cutterhead while a non...

**18/3,K/15 (Item 4 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

16190354 SUPPLIER NUMBER: 107204044 (USE FORMAT 7 OR 9 FOR FULL TEXT )

**AWFS(R) Fair brings world of woodworking to Anaheim.(Association of Woodworking and Furnishings Suppliers)**

Wood & Wood Products, 108, 8, S27(12)

July, 2003

ISSN: 0043-7662 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2434 LINE COUNT: 00204

... router motors and standard automatic tool changing. It also has fences for the production of **mitered** doors as well as 90 **degree** aggregate heads.

(602) 470-1911 www.uniquemachine.com Circle #220  
JOB-SITE ASSEMBLY SCREWS CabParts...

**18/3,K/18 (Item 7 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

12752559      SUPPLIER NUMBER: 66383800      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**SHAPER.(Brief Article)**  
Wood & Wood Products, 105, 10, 142  
Sept, 2000  
DOCUMENT TYPE: Brief Article      ISSN: 0043-7662      LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 44      LINE COUNT: 00006

...      degrees) to +45(degrees), a 1,340mm by 800mm table, and options  
such as a **shaper fence pivot** , sliding table extension and four- **axis**  
control.

18/3,K/27      (Item 2 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2005 The Gale group. All rts. reserv.

06604216      SUPPLIER NUMBER: 104551264      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
)  
**12 favorite workshop tips.**  
Radtke, David  
The Family Handyman, 53, 7, 79(7)  
July-August, 2003  
ISSN: 0014-7230      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 1038      LINE COUNT: 00076

...      just move it to the next.  
(ILLUSTRATION OMITTED)  
Horizontal drilling station  
Use this simple wood **jig** to **turn** your table **saw** top into a  
horizontal drilling station for drilling repetitive holes. Cut a strip of  
hardwood the same width as your **miter** gauge slot and screw it to the  
bottom of a piece of 3/4-in...  
...can slide this jig along the top with the strip below riding smoothly in  
the **miter** slot. When you drill your wood, be sure to clamp it to the top.  
(ILLUSTRATION...)

18/3,K/28      (Item 3 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2005 The Gale group. All rts. reserv.

05510805      SUPPLIER NUMBER: 57893350      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**How to make precise crosscuts with a table saw sled.**  
Larson, Travis  
The Family Handyman, 50, 1, 66  
Dec, 1999  
ISSN: 0014-7230      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 2520      LINE COUNT: 00178

...      the first block, offsetting those screws from the first guard block  
screws.

11 STANDARD, 90- **DEGREE** CROSSCUTS are the bread-and-butter cuts this  
sled is designed to make. With the...

...1/8 in. above the wood. Pull the sled back, lay your workpiece against

the **fence** and line up the blade with your cutting mark. **Turn** the **saw** on, hold the wood against the **fence** and slowly push the workpiece through the **saw** . After the cut is completed, slightly separate the two halves from the blade and shut...

18/3,K/37 (Item 4 from file: 141)  
DIALOG(R)File 141:Readers Guide  
(c) 2005 The HW Wilson Co. All rts. reserv.

00554598 H.W. WILSON RECORD NUMBER: BRGA85054598  
**Jigs make it easy: sharpening with a belt sander.**  
Philips, Mack.  
Popular Science v. 227 (Oct. 1985) p. 100-2

ABSTRACT: Instructions are provided for building jigs that can be used when sharpening **tools** on a belt **sander** . A variety of **jigs** can **turn** a belt **sander** into a superior sharpening instrument. The belt **sander** offers the advantages of easy use and maintenance, and a low operating temperature. Rough-grade...

...provide the proper finish. Commercially available and homemade jigs can hold tools at the proper **angle** during sharpening.

18/3,K/38 (Item 1 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

0588007 95-44047  
**A new way to slice a log**  
Imhof, Hugh  
Journal of Business-Spokane (Spokane, WA, US), V10 N6 sA p1  
PUBL DATE: 950330  
WORD COUNT: 894  
DATELINE: Spokane, WA, US

TEXT:

...machine like no other. Called the Mini Mill, it looks something like a large band **saw** **turned** on its side.

The **saw** moves along a set of **tracks** as it neatly slices dimensional lumber from a log. When the blade reaches the end of a log, the machine's cutting head rotates 180 **degrees** and heads back in the other direction, taking another slice out of the log.

That...  
?

30/3,K/3 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

10102741 Supplier Number: 90748320 (USE FORMAT 7 FOR FULLTEXT)  
**Wall-mounted cabinet. (BICSI 2002).(Hoffman)(Brief Article)(Product Announcement)**  
Communications News, v39, n8, p39(1)  
August, 2002  
Language: English Record Type: Fulltext  
Article Type: Brief Article; Product Announcement  
Document Type: Magazine/Journal; Trade  
Word Count: 127

... mounted 19" Bottom-Hinged Panel cabinet provides a home for telephone and voice-mail equipment, **routers**, switches, punch-down panels and patch panels. The unit features unrestricted air flow and is...

...cabling. The cabinet is made from 12-gauge steel on the hinged panel and 16- **gauge** steel on the body. The hinged panel **pivots** to 90( **degrees** ) with a positive stop, providing a stable platform for punchdown interconnects. Thumbscrews secure the panel...

30/3,K/15 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

12364379 SUPPLIER NUMBER: 62794651 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**TABLE SAW.**  
Wood & Wood Products, 105, 5, 102  
April, 2000  
ISSN: 0043-7662 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 62 LINE COUNT: 00008

... in. or 8-in. stroke. The unit also offers support tables, a telescoping cut-off **fence** with two **swivel** stops and a **miter fence** as standard equipment.

30/3,K/16 (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

10712754 SUPPLIER NUMBER: 21281892 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**'98 tool show highlights. (new tools from 1998 National Hardware Show, Chicago, and International Woodworking Fair, Atlanta)**  
Workbench, v54, n6, p45(7)  
Nov-Dec, 1998  
ISSN: 0043-8057 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2759 LINE COUNT: 00209

... axes, even planer knives. The latest goodie designed for the system is a skew-grinding **jig** that lets you vary bevel and skew **angle** for **turning** chisels, and even grind a radiused edge for better control. Cost is about \$50. Call...

30/3,K/18 (Item 9 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB



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07246590 SUPPLIER NUMBER: 14974520 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Curve sawing benefits optimized multi-rip line. (Oostrowood S.A.)**

Wood Technology, v121, n2, p 27(2)

March-April, 1994

ISSN: 1067-1064 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1209 LINE COUNT: 00094

... moved to match the curvature of each board, relative to the feed rate, so the **axis** of the board is always at right **angles** to the arbor.

The **fence** can be deflected only to a predetermined maximum to ensure that the boards will not come in contact with the body of the **saw** blade and that the rear-most **saw** tooth will pass through the kerf without touching the sides. This ensures that **saw** blade service life will not be shortened by cutting on the curve.

optimizing recovery from...

?

Set	Items	Description
S1	0	AU=(WEDEWARD, W? OR WEDEWARD W?)
S2	0	AU=(WEDEWARD, B? OR WEDEWARD B?)
S3	1	AU='WEDEWARDT B'

? show files

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)  
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200555  
(c) 2005 Thomson Derwent